PATTERNS OF CRIME IN CANADIAN CITIES: A Multivariate Statistical Analysis

Kwing Hung, Ph.D.
Statistical and Methodological Advisor
Chi Nguyen, M.A.
Research Analyst

Research and
Statistics Division

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Foreword

It is a pleasure to share with the research community the most recent submission from the Research and Statistics Division Methodology Series titled Patterns of Crime in Canadian Cities: A Multivariate Statistical Analysis. In this article, Dr. Kwing Hung, a methodologist and statistician in the Research and Statistics Division, applies an innovative approach to analyzing a traditional area of inquiry -- the patterns of crime which exist in Canadian cities. New methodological and analytical approaches to well established data bases provide rich analytical potential that can better inform policy development, legislative reform and program delivery.

Crime data in Canada are collected annually by the Canadian Centre for Justice Statistics using the Uniform Crime Reporting Survey. This survey is likely the most reported and analyzed source of information in the justice community. In order to continue to mine and explore this important data base, Dr. Hung has applied principal component analysis to 25 standard offence groups for 600 cities. The purpose is to derive a smaller number of 'components' or 'factors' which are highly correlated and are representative of the original larger group of offences. From this we are able to derive new groupings of cities through their crime patterns which would not have been evident previously.

As is often the case with research work, the final article reflects the assistance and suggestions of a number of colleagues whom the author would like to thank including the staff of the Policing Services Program at the Canadian Centre for Justice Statistics, Professor Tom Gabor, University of Ottawa, Stan Lipinski, Stephen Mihorean, Fernando Mata and Christine Wright of the Research and Statistics Division, Department of Justice Canada.

Roberta J. Russell, Ph.D.
Director, Research and Statistics Division
Department of Justice Canada

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The Research and Statistics Division is staffed by social science researchers drawn from a broad range of disciplines including criminology, sociology, anthropology, education, statistics, political science, psychology, and social work.

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Table of Contents

Foreword iii

Table of Contents v

Acknowledgements vii

Executive Summary viii

Section1. Introduction 1

Section 2. Methodology 3

Table 1: Distribution of Cities in this Study 4

Table 2: Offence Categories 6

Section 3. Components of Crime 8

Table 3: Factor Loadings of the Four Crime Components 9

Section 4. Crime Patterns of Individual Cities 15

Section 5. Crime Profiles for Different Regions 18

Table 4: Results of Discriminant Analysis of Four Geographical Regions 20

Table 5: Average Factor Scores of the Four Geographical Regions 22

Section 6. Crime Profiles for Different City Sizes 25

Table 6: Results of Discriminant Analysis of Four City Size Classes 27

Table 7: Average Factor Scores of the Four City Size Classes 28

Section 7. Summary and Policy Implications 31

Table 8: Summary of Crimes by the Two Classification Schemes 32

Appendices

Appendix 1. An Illustration on the Difficulty of Describing a Crime Pattern 35

Appendix 2. Factor Scores for Four Crime Components of 600 Cities 39

Appendix 3. Factor Score Percentiles for Four Crime Components of 600 Cities 51

Appendix 4. Reclassified Cities Based on the Regional Classification Scheme 67

Appendix 5. Reclassified Cities Based on the City Size Classification Scheme 75

Appendix 6. Mean Crime Rates by City Size (per 100,000 population) 83

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Executive Summary

The following study used multivariate statistical techniques to analyze offence specific crime rates reported by the police in the aggregate Uniform Crime Reporting Survey (UCR1). The objective was to summarize the large amount of data on offences reported by the police in 1999 to the Canadian Centre for Justice Statistics, Statistics Canada into generalized patterns of crime. The results show that the statistical analysis was successful in representing the crime patterns of 600 cities across Canada by four crime indices for each city. Such information could be used to pinpoint crime problems for individual cities and would be helpful in assisting local criminal justice agencies to develop crime control and prevention strategies for their specific areas.

In addition, cities were grouped by two classification schemes of geographical regions and city size classes. Statistical techniques were used to show that both classification schemes were moderately successful. Typical crime patterns for different geographical regions and for different city size classes were then described. Some results confirmed popular perceptions. For example, moral offences increase with city sizes and are most serious in large cities. However, the analysis also revealed some surprising results. For example, violent crime rates are higher in the Atlantic and Prairie provinces than in other regions; violent crime rates are also higher in small towns than in larger cities.

Results in this analysis provide useful information in assisting the design of crime prevention programs. First, the delineation of the crime patterns of individual cities will pinpoint the predominant crime problems which can then be targetted with crime prevention programs. Second, the development of regional and city size crime profiles points to a better way of selecting or adopting successful crime prevention programs from other cities.

Section1. Introduction

For the police and for other criminal justice agencies, it is important to understand the crime pattern of their own administrative areas in order to develop strategies and programs to control or prevent crimes. However, it is rather difficult to summarize a large amount of crime data to draw an individualized picture that portraits the crime pattern of an area such as a city. Each year, the Canadian Centre for Justice Statistics collects information, which are reported by all police departments across Canada, on more than one hundred crimes. Even if the data are grouped into 20 to 30 crime groups or crime categories, it is still rather difficult to describe the 20 to 30 crime rates in a concise way that can be easily understood. In addition, it is also important to make comparisons with other Canadian cities and crime rates for a specific city alone cannot provide such information. As a result, one common practice by police departments is to report the total violent crime rate and the total property crime rate and make a comparison with the overall Canadian crime rate (see an illustration in Appendix 1). This simplified picture is of course insufficient to represent the variety of individual offences such as assault, robbery or theft.

One alternate way to provide more information on crime data is to find out which kinds of crime correlate to each other. For example, statistical analysis shows that there is a high correlation between the following pairs of crimes, meaning that when the rate of one crime is high, the rate of the other crime is very likely to be also high:

- common sexual assault I and common non-sexual I
- common non-sexual assault I and major non-sexual assault II and III
- narcotics possession and fraud

For the 1999 data, the correlation coefficients of these three pairs are all above +0.7, meaning that these pairs of crimes usually occur together in the same cities. As a result, we can probably use common non-sexual I as an indicator for a list of crimes that closely correlate with it. However, as demonstrated in this study, there are better ways to represent the overall crime picture as well as to provide a comparison to other areas in the country.

The following statistical study attempts to delineate patterns of crime in Canadian cities by employing various multivariate statistical techniques. The objective was to represent crime patterns in cities by a small number of crime indices that can be easily understood and at the same time provide comparison among all Canadian cities. The study therefore is essentially a classificatory study, not an explanatory one.

Section 2. Methodology

The present study uses crime data reported by individual police departments across Canada to the aggregate Uniform Crime Reporting Survey (UCR1), conducted by the Canadian Centre for Justice Statistics, Statistics Canada. Data are from 1999. It should be noted that these data do not reflect the entire picture of crime because it is widely known from many different victimization surveys that only about half of all crimes are reported to the police.

While data were available for all police departments and detachments in Canada, data from rural areas were excluded from this study because there were no accurate population estimates and subsequently rates of crime cannot be calculated. However, some regional police departments may include some rural areas in their administrative area. In addition, a few aboriginal police forces for Indian reserves reported their population and are therefore included in this analysis. With these minor exceptions, data analyzed do overwhelmingly represent reported crimes that occurred in cities.

In all, the UCR1 database provides information from exactly 600 cities. Table 1 shows the distribution of these cities in the ten provinces. While there certainly are small towns in the territories (Yukon, Northwest Territories, Nunavut), population estimates for those towns were not available and they are therefore not included in this study.

Table 1: Distribution of Cities in this Study

Province	Number	Percent
Newfoundland	4	0.7
Prince Edward Island	6	1.0
Nova Scotia	29	4.8
New Brunswick	23	3.8
Quebec	157	26.2
Ontario	149	24.8
Manitoba	32	5.3
Saskatchewan	50	8.3
Alberta	75	12.5
British Columbia	75	12.5
TOTAL	**600**	**100.0**

The first step of the analysis involves combining the offences into offence groups or offence categories to facilitate the analysis. This is necessary because crime rates for small towns would be extremely low for certain individual offences and a large amount of near zero values will bias the results. Table 2 shows the groupings used in this study.

[1] The technical term of the statistical procedure used is "principal component analysis". It is the most commonly used type of factor analysis which includes a variety of different statistical procedures.

The crime rates (per 100,000 population) of these 25 offence groups for all 600 cities were analyzed using a statistical technique called factor analysis[1]. The objective of this procedure was to derive a smaller number of "components" or "factors" which can represent the original 25 variables. Each of the components will represent a group of variables that are highly correlated. In other words, variables that are highly correlated will be expected to be represented in the same component (such as those pairs of highly correlated variables described above).

In this study, the optimal number of components or factors was found to be four after examining the results of the factor analysis. These four components (factors) were then used to represent the original 25 categories of offences. In other words, while the 25 crime rates could be used to represent the detailed pattern of crime, the four components could satisfactorily do a similar job, though with less details. Each component combined the rates of a few offences that were closely associated. For example, the first component in the analysis was designated "Minor Crimes" and could be used to represent seven minor crimes while the second component was designated "Violent Crimes" and could be used to represent five violent crimes and five other crimes (details below in the Section 3). Therefore, for each city, instead of using 25 crime rates to represent its pattern of crime, we could use four factor scores.

Table 2: Offence Categories

	CATEGORIES	OFFENCES INCLUDED AND EXAMPLES
1	Homicide	murder, manslaughter, infanticide
2	Sexual assault I	common sexual assault (level 1)
3	Major sexual assault	sexual assault with weapon (level 2), aggravated sexual assault (level 3)
4	Other sexual offences	e.g. sexual relation with persons under 14
5	Non-sexual assault I	common non-sexual assault (level 1)
6	Major non-sexual assault	attempted murder, non-sexual assault with weapon (level 2), aggravated non-sexual assault (level 3)
7	Other non-sexual assault	e.g. assaulting a police officer
8	Robbery	
9	Abduction & kidnapping	abduction, kidnapping
10	Break & enter	
11	Theft motor vehicle	
12	Theft over $5000	
13	Theft $5000 & under	
14	Possession of stolen goods	
15	Fraud & counterfeiting	fraud, counterfeiting currency
16	Arson	
17	Vandalism	wilful damage
18	Moral offences	prostitution, gaming and betting, indecent acts, public morals
19	Offensive weapons	e.g. possession of prohibited or restricted weapons
20	Miscellaneous Criminal Code	e.g. bail violations, escape custody
21	Narcotics possession	including heroin, cocaine, cannabis, other narcotics
22	Narcotics trafficking	including heroin, cocaine, cannabis, other narcotics
23	Controlled & restricted drugs	
24	Misc. Federal Statutes	e.g. Customs Act, Young Offenders Act
25	Criminal Code traffic	e.g. impaired driving, fail to provide breath sample

The next step in the analysis was to determine whether the pattern of crime varies according to geographical region or city size. The statistical technique used was discriminant analysis. The objective of this procedure was to find out whether cities in different regions have their own typical crime patterns or regional crime profiles. The same analysis would also be done for city size classes. The results would show how the crime profiles regions (or city size classes) differ from each other. Furthermore, based on their factor scores, individual cities would be assigned to one of the regions and one of the city size classes which may or may not be the same as their original region or original city sizes. The results might show that a certain city had a crime pattern that resembled cities in a different region than its own (or a different size class than its own).

In this way, the analysis would provide information on crime patterns for all of Canada, for different regions, and for different city size classes, as well as information on crime patterns of individual cities.

Section 3. Components of Crime

The first part of the analysis involved submitting the 25 offence rates for all 600 cities to a factor analysis[2]. Based on an analysis of the results, the optimal number of components was determined to be four[3]. In other words, the four crime components could then be used to represent the 25 crime rates.

Table 3 shows the factor loadings of the four crime components. All factor loadings range from -1 to +1. The higher the factor loadings (in terms of absolute values), the greater that particular variable is represented by that component. In the table, significant factor loadings with an absolute value of greater than 0.4 are underlined[4].

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[2] The computer programs used in this study are from the Statistical Analysis System (SAS) statistical package. The procedures used include: PROC FACTOR (factor analysis), PROC SCORE (factor scores), PROC DISCRIM (discriminant analysis). For factor analysis, the procedure of varimax rotation was used.

[3] The normal procedure is to select the number of components based on the eigenvalues. The eigenvalue of a component is the aggregate total of the squares of all factor loadings. It indicates how much of the variations of all variables are contained in the component. The eigenvalues decrease progressively from the first component to the next. The normal criterion used to decide on the number of components is to include all components with eigenvalues of 1 or greater. In the present analysis, the first 6 components had eigenvalues of greater than 1. Subsequently, factor analysis was run four times, separately for six components,five components,four components, and three components. These four sets of results were examined to determine which scheme reflected the association of variables better and whether the components were meaningful.

[4] The criterion of 0.4 is chosen because a factor loading of 0.4 or -0.4 indicates that 16% of the total variation of the variable involved is represented by the component. Below this limit, the explanative power is regarded as too low. In other words, all factor loadings ranging from +0.4 to +1.0 and from -0.4 to -1.0 are regarded as significant.

Table 3: Factor Loadings of the Four Crime Components[5]

	Comp. 1	Comp. 2	Comp. 3	Comp. 4
Homicide	0.03	-0.13	0.26	0.06
Sexual assault I	0.29	0.69	0.05	0.24
Major sexual assault	-0.08	0.49	0.03	-0.11
Other sexual offences	0.00	0.10	-0.07	0.54
Non-sexual assault I	0.33	0.75	0.09	0.33
Major non-sexual assault	0.09	0.71	0.06	0.46
Other non-sexual assault	0.31	0.70	-0.15	0.13
Robbery	0.02	-0.15	0.69	0.28
Abduction & kidnapping	-0.06	0.23	0.10	0.42
Break & enter	0.09	0.52	0.68	0.07
Theft motor vehicle	0.16	0.21	0.73	0.17
Theft over $5000	0.15	0.44	0.39	-0.28
Theft $5000 & under	0.61	0.12	0.54	0.16
Possession of stolen goods	0.68	0.04	0.28	0.13
Fraud & counterfeiting	0.87	0.03	-0.09	-0.10
Arson	-0.10	0.24	0.56	-0.14
Vandalism	0.33	0.56	0.30	0.06
Moral offences	0.13	0.02	0.27	0.64
Offensive weapons	0.30	0.50	0.05	0.35
Miscellaneous Criminal Code	0.66	0.50	0.18	0.17
Narcotics possession	0.85	0.15	0.12	0.00
Narcotics trafficking	0.09	0.11	0.58	-0.05
Controlled & restricted drugs	0.63	0.07	-0.19	0.06
Misc. Federal Statutes	-0.01	0.37	0.07	0.04
Criminal Code traffic	0.81	0.23	0.24	-0.08

NOTE: Factor loadings of greater than 0.4 are underlined.

5 The table contains rotated factor loadings. The 4 components explain respectively 18%, 16%, 12%, 7% of total variance of the 25 crime variables. In other words, the 4 components explain more than half (53%) of the total variance. (The eigenvalues of the 4 components are: 4.41, 3.99, 3.08, 1.72.) The amount of variation explained equals to the square of the factor loading. For example, if the factor loading is 0.8, the component explains 0.8 x 0.8 or 64% of the total variation.

Component 1 contains high factor loadings for seven offence categories. In other words, this component can be used to represent the offence rates of those seven offence categories. They include three minor property crimes (fraud and counterfeiting, possession of stolen goods, theft $5000 and under) and four other minor crimes (narcotics possession, controlled and restricted drugs, Criminal Code traffic offences, miscellaneous Criminal Code offences). Three of these offences have factor loadings of over 0.8 meaning that this component alone explains over 65% of the total variation of each of these offences.[6] This component is designated as "Minor Crimes". Significant loadings include the following offences:

COMPONENT 1: Minor Crimes	
Fraud & counterfeiting	0.87
Narcotics possession	0.85
Criminal Code traffic	0.81
Possession of stolen goods	0.68
Miscellaneous Criminal Code	0.66
Controlled & restricted drugs	0.63
Theft $5000 & under	0.61

[6] The amount of variation explained equals to the square of the factor loading. For example, if the factor loading is 0.8, the component explains 0.8 x 0.8 or 64% of the total variation.

Component 2 contains high factor loadings for 10 offence categories. Five of these are violent crimes (non-sexual assault I, major non-sexual assault, other non-sexual assault, sexual assault I, major sexual assault). Two others are major property crimes (break and enter, theft over $5000). Two others are also related crimes: offensive weapons offences are related to violent crimes; vandalism is related to property crimes. This component is designated as "Violent Crimes". Of course, this component represents not only the five violent crimes but also the other five non-violent offences. Three of the offences have factor loadings of 0.7 or higher meaning that this component alone explains over 50% of the variation of each of these offences:

COMPONENT 2: Violent Crimes	
Non-sexual assault	0.75
Major non-sexual assault	0.71
Other non-sexual assault	0.70
Sexual assault	0.69
Vandalism	0.56
Break & enter	0.52
Offensive weapons	0.50
Miscellaneous Criminal Code	0.50
Major sexual assault	0.49
Theft over $5000	0.44

Component 3 contains high factor loadings for six offence categories. Four of them are major property crimes. In addition, robbery (sometimes regarded as a major property crime) and narcotics trafficking are also included. A seventh offence, theft over $5000 (a major propert crime), is only slight below the 0.4 cutt-off line. This compoment is designated as Major Property Crimes. Significant loadings include the following offences:

COMPONENT 3: Major Property Crimes	
Theft motor vehicle	0.73
Robbery	0.69
Break & enter	0.68
Narcotics trafficking	0.58
Arson	0.56
Theft $5000 & under	0.54
Theft over $5000	0.39

Component 4 contains high factor loadings for four offence categories. They include other sexual offences, abduction and kidnapping, moral offences, and major non-sexual assault (this last offence is represented to a greater extent by Component 2). The category "other sexual offences" normally does not involve violence and is similar to moral offences. This component is designated as "Moral Offences". Significant loadings include the following offences:

COMPONENT 4: Moral Offences	
Moral offences	0.64
Other sexual offences	0.54
Major non-sexual assault	0.46
Abduction & kidnapping	0.42

In the above scheme, 2 of the 25 offence categories are not included in any of the 4 components. These are homicide, and miscellaneous federal statutes. The implication is that these two offences are not associated with any other offences. There are also 4 other variables that have significant factor loadings on two of the four components. The implication is that those offences are associated with two different offence groupings.

It is interesting to see how different offences associate with each other. Component 1 shows that wherever there are minor property crimes in a city, it is likely that minor drug offences and traffic offences are also found, or vice versa. Component 2 shows that wherever there are various kinds of violent crimes in a city, it is likely that offensive weapons offences, break and enter, vandalism, major theft (over $5000) are also found. Component 3 shows that wherever there are major property crimes in a city, it is likely that robbery, arson, and narcotics trafficking are also found. Component 4 shows that moral offences (including prostitution, gaming and betting, indecent acts, public morals), non-violent sexual offences, abduction and kidnapping commonly occur together in the same cities.

As a whole, the scheme successfully grouped most offences into four components which could then be used to describe the crime patterns of individual cities. The four components are summarized here:

Summary of Four Crime Components	
Component 1	Minor crimes
Component 2	Violent crimes
Component 3	Major property crimes
Component 4	Moral offences

Section 4. Crime Patterns of Individual Cities

Besides factor loadings of the 4 crime components, the factor analysis also produced four factor scores (one for each component) for each of the 600 cities (see Appendix 2 for detailed factor scores for all cities). These four factor scores provide information on whether a city has high crime rates for offences contained in each of the four components and also on how those crime rates compare to other cities in Canada. As a result, the factor scores can function as four crime indices and are a reasonable substitute for the 25 crime rates in describing the crime pattern of individual cities.

The factor scores are distributed normally (in a bell-shaped curve with a mean of 0 and a standard deviation of one) and commonly range from -4 to +4. However, they can occasionally be outside this range. A factor score of 0 means that the crime level (as represented by a specific crime component) for a particular city is about the average of that component for all Canadian cities. In general, +1 (one standard deviation above the mean) means that the crime level is higher than 84% of all Canadian cities; +2 means that the crime level is higher than 97% of all Canadian cities; +3 means that the crime level is higher than 99% of all Canadian cities. Conversely, a factor score of -1 means that the city has a crime level lower than 84% of all Canadian cities.

For example, Waterloo Region, Ontario has the following factor scores for the four crime components:

Crime Pattern of Waterloo Region, ON (factor scores)

Component	Factor Score
Component 1 – Minor Crimes	-0.17
Component 2 – Violent Crimes	-0.60
Component 3 – Major Property Crimes	0.23
Component 4 – Moral Offences	0.35

These factor scores indicate that Waterloo Region has slightly below average minor crime rates, much lower than average violent crime rates, slightly higher than average major property crime rates, and higher than average moral offence rates.

A more easily understandable way of presenting these same factor scores is to represent the scores by percentiles (see Appendix 3 for detailed scores for all cities). These percentiles will show the exact positions relative to all Canadian cities. The percentiles range from a low of 0 to a high of 99. A percentile of 45 for a city (such as component 1 here) means that 45% of other Canadian cities have lower crime rates than this particular city, or conversely, 55% of other Canadian cities have higher crime rates than this

particular city. In other words, higher the percentile, higher the crime level. Again, for Waterloo Region, the percentiles for the 4 crime components are:

Crime Pattern of Waterloo Region, ON (percentiles)

Component	Percentile
Component 1 - Minor Crimes	45
Component 2 - Violent Crimes	11
Component 3 - Major Property Crimes	70
Component 4 - Moral Offences	79

These percentile values show that Waterloo Region is higher than the average crime rates of Canadian cities (with values higher than 50) for components 3 and 4 and is lower than the average crime rates of Canadian cities for components 1 and 2. In terms of violent crimes (component 2), Waterloo Region is higher than 11% of other Canadian cities (in other words, lower than 89% of other Canadian cities). In terms of moral offences (component 4), Waterloo Region is higher than 79% of other Canadian cities.

The results show that factor scores and the percentiles are successful in representing the crime pattern of individual cities, both in terms of the level and the position relative to all cities in Canada.

Section 5. Crime Profiles for Different Regions

The second part of the present study involves applying the statistical technique of discriminant analysis to the 4 factor scores for the 600 cities. This analysis will help in classifying cities into groups with similar crime patterns, in other words, developing crime profiles. The grouping can be geographical regions, provinces, city size classes, or any other criteria. The computer analysis will show the numerical relationship among groups, that is, which groups are similar and which groups are different. In addition, the analysis will specify which cities, although initially assigned to one group (for example, a province), are actually closer to another group (a different province) in their crime patterns. For example, the results of the analysis show that Waterloo Region, although located in Ontario, has crime characteristics (in terms of the 4 factor scores) more similar to cities in British Columbia than those in Ontario.

In the present study, the first step in discriminant analysis was to find out whether individual provinces had distinct crime profiles. Thus the 600 cities were assigned into 10 groups representing the 10 provinces. The results from this initial analysis showed that the Atlantic provinces (Newfoundland, Prince Edward Island, Nova Scotia, New Brunswick) and the Prairie provinces (Manitoba, Saskatchewan, Alberta) had a similar crime profile while the remaining 3 larger provinces (Quebec, Ontario, British Columbia) had their individual distinct crime profiles.

The next step then was to re-assign the 600 cities into four separate geographical regions:

Grouping by Geographical Region	
Region 1 – Atlantic/Prairie provinces	219 cities
Region 2 – Quebec	157 cities
Region 3 – Ontario	149 cities
Region 4 – British Columbia	75 cities

Table 4 shows the results of the discriminant analysis based on geographical regions.

- Out of the 219 cities in the Atlantic/Prairie region (row 1 in the table), 94 cities or 43% had crime patterns similar to the Atlantic/Prairie profile and were classified into their original region; 28 cities or 13% were similar to the Quebec profile; 65 cities or 30% were similar to the the Ontario profile; 32 cities or 15% were similar to the British Columbia profile.
- Out of the 157 cities in the Quebec region, 82 cities or 52% had crime patterns similar to the Quebec profile and were classified into their original region; 20 cities or 13% were similar to the Atlantic/Prairie profile; 24 cities or 15% were similar to the Ontario profile; 31 cities or 20% were similar to the British Columbia profile.
- Out of the 149 cities in the Ontario region, 98 cities or 66% had crime patterns similar to the Ontario profile and were classified again into their original region; 16 cities or 11% were similar to the Atlantic/Prairie profile; 19 cities or 13% were similar to the Quebec profile; 16 cities or 11% were similar to the British Columbia profile.

- Out of the 75 cities in the British Columbia region, 43 cities or 57% had crime patterns similar to the British Columbia profile and were classified again into their original region; 13 cities or 17 were similar to the Atlantic/Prairie profile; 8 cities or 11% were similar to the Quebec profile; 11 cities or 15% were similar to the Ontario profile.
- Over all, 317 or 53% were classified correctly, that is, classified into their original region. This implies that the regional differences in crime profiles are not very distinct as almost half of the cities have crime patterns similar to cities outside their own regions. A complete list of cities that require reclassification is in Appendix 4.

Table 4: Results of Discriminant Analysis of Four Geographical Regions

From Region	*Number and Percent of Cities Classified Into Region*				
	Atl./Prairie	Quebec	Ontario	B.C.	TOTAL
Atlantic/Prairie	**94**	28	65	32	219
	43%	13%	30%	15%	100%
Quebec	20	**82**	24	31	157
	13%	**52%**	15%	20%	100%
Ontario	16	19	**98**	16	149
	11%	13%	**66%**	11%	100%
British Columbia	13	8	11	**43**	75
	17%	11%	15%	**57%**	100%
TOTAL	143	137	198	122	600
	24%	23%	33%	20%	100%

NOTE: The shaded boxes with bold letters represent the cities classified correctly.

Table 5 shows the representative crime profiles of the 4 geographical regions, in terms of average factor scores of the 4 crime components.

- **Cities in the Atlantic/Prairie region** have slightly above average minor crimes as well as violent crimes, slightly below average major property crimes and moral crimes.
- **Cities in the Quebec region** have low minor crimes, average violent crimes, slightly above average major property crimes, slight below average moral offences.
- **Cities in the Ontario region** have slightly above average minor crimes, slightly below average violent crimes, low major property crimes, high moral offences.
- **Cities in the British Columbia region** have high minor crimes, low violent crimes, very high major property crimes, high moral offences.

It should be noted, however, that high level of offences simply means the level is high compared to other Canadian cities andm ay not mean high absolute level.

Table 5: Average Factor Scores of the Four Geographical Regions

Region	Comp. 1 Minor crimes	Comp. 2 Violent crimes	Comp. 3 Major property crimes	Comp. 4 Moral offences
Atlantic/Prairie	0.09	0.20	-0.07	-0.15
Quebec	-0.36	-0.01	0.13	-0.20
Ontario	0.13	-0.10	-0.37	0.28
British Columbia	0.23	-0.35	0.65	0.30

The 53% success rate in classification means that more than half of the cities demonstrate crime patterns similar to their own regional crime profiles. For example, the factor scores and percentiles of Gatineau, Quebec, a suburb of Hull (shown below) resemble the regional crime profile for Quebec. On the other hand, there are cities within the same region that may demonstrate a very different crime

pattern. For example, the factor scores of Longueuil, Quebec, a suburb of Montreal resemble more closely to the regional crime profile for British Columbia (see actual crime rates of these cities in Appendix 1).

Crime Patterns of Two Sample Cities in Quebec

	Gatineau, QU		Longueuil, QU	
Component	**Factor Score**	**Percentile**	**Factor Score**	**Percentile**
1 Minor crimes	-0.16	47	-0.40	21
2 Violent crimes	-0.40	34	-0.53	15
3 Major property crimes	-0.01	61	1.04	88
4 Moral offences	-0.16	48	0.51	83
Crime Profile	*Quebec*		*British Columbia*	

Section 6. Crime Profiles for Different City Sizes

One common perception is that cities with different population sizes demonstrate different crime patterns. In order to test whether this is supported by objective data, the data (four factor scores for the 600 cities) were again put to a discriminant analysis. This time, instead of provinces or geographical regions, the initial classification into groups was based on city size. Different classifications by city sizes were tested. It was decided in the end that the customary boundaries of 100,000, 50,000 and 10,000 would be used as the 100,000 population limit is used by Statistics Canada to classify Census Metropolitan Areas (CMAs).

The 600 cities were then assigned into four groups by their population.

Grouping by City Size Classes	
Size 1 – Large cities (100,000 and over)	38 cities
Size 2 – Medium cities (50,000 to 100,000)	44 cities
Size 3 – Small cities (10,000 to 50,000)	185 cities
Size 4 – Towns (under 10,000)	333 cities

Table 6 shows the results of the discriminant analysis based on city size classes.

- Out of the 38 large cities (row 1 in the table), 17 cities or 45% had crime patterns similar to the profile for large cities and were classified into their original group; nine cities or 24% were similar to the profile for medium cities; 12 cities or 32% were similar to the profile for small cities; zero cities or 0% were similar to the profile for towns.

- Out of the 44 medium cities, 11 cities or 25% had crime patterns similar to the profile for medium cities and were classified into their original group; 15 cities or 34% were similar to the profile for large cities; 15 cities or 34% were similar to the profile for small cities; three cities or 7% were similar to the profile for towns.
- Out of the 185 small cities, 90 cities or 49% had crime patterns similar to the profile for small cities and were classified into their original group; 26 cities or 14% were similar to the profile for large cities; 21 cities or 11% were similar to the profile for medium cities; 48 cities or 26% were similar to the profile for towns.
- Out of the 333 towns, 226 cities or 68% had crime patterns similar to the profile for towns and were classified into their original group; 16 cities or 5% were similar to the profile for large cities; 15 cities or 5% were similar to the profile for medium cities; 76 cities or 23% were similar to the profile for small cities.
- Over all, 344 or 57% were classified correctly, that is, classified into their original group. This implies that the differences among city size crime profiles are slightly more distinct than the regional differences (where 53% were classified correctly). A complete list of cities that require reclassification is in Appendix 5.

Table 6: Results of Discriminant Analysis of Four City Size Classes

From Size Class	*Number and Percent of Cities Classified Into City Size Class*				
	Large cities	Medium cities	Small cities	Towns	TOTAL
Large cities (100,000 & over)	**17**	9	12	0	38
	45%	24%	32%	0%	100%
Medium cities (50,000 to 100,000)	15	**11**	15	3	44
	34%	**25%**	34%	7%	100%
Small cities (10,000 to 50,000)	26	21	**90**	48	185
	14%	11%	**49%**	26%	100%
Towns (under 10,000)	16	15	76	**226**	333
	5%	5%	23%	**68%**	100%
TOTAL	74	56	193	277	600
	12%	9%	32%	46%	100%

NOTE: The shaded boxes with bold letters represent the cities classified correctly.

Table 7 shows the representative crime profiles of the four city size classes, in terms of average factor scores of the four crime components.

- **Large cities** have slightly below average minor crimes, very low violent crimes, very high major property crimes, very high moral crimes.
- **Medium cities** have average minor crimes, low violent crimes, high major property crimes, high moral offences.
- **Small cities** have average minor crimes, slightly below average violent crimes, slightly above average major property crimes, average moral offences.
- **Towns** have average minor crimes, above average violent crimes, below average major property crimes, slightly below average moral offences.

Table 7: Average Factor Scores of the Four City Size Classes

Region	Comp. 1	Comp. 2	Comp. 3	Comp. 4
	Minor crimes	Violent crimes	Major property crimes	Moral offences
Large cities	-0.17	-0.67	0.71	0.54
Medium cities	-0.08	-0.54	0.43	0.38
Small cities	-0.07	-0.21	0.12	0.03
Towns	0.07	0.27	-0.21	-0.13

The above results show that contrary to popular belief, violent crime rates are actually a greater problem in small towns than in large cities. This counter-intuitive conclusion is actually supported by the higher violent crime rates (with the exception of homicide, robbery, and abduction) reported in towns (see Appendix 6 for the average crime rates by city size classes). It should be noted, however, that while the absolute numbers of violent crimes may be high in large cities, the rates are low because of the large population base.

The results also show that how adjacent cities may demonstrate very different crime patterns. For example, Richmond, a suburb of Vancouver (a large city with a population of 164,000) has a crime pattern similar to the crime profile for medium cities. On the other hand, Delta, another suburb of Vancouver (a large city with a population of 101,000) has a crime pattern similar to the crime profile for small cities (see actual crime rates of these cities in Appendix 1).

Crime Patterns of Two Sample Large Cities in British Columbia

	Richmond, BC		Delta, BC	
Component	**Factor Score**	**Percentile**	**Factor Score**	**Percentile**
1 Minor crimes	0.03	62	0.08	67
2 Violent crimes	0.45	26	-0.55	13
3 Major property crimes	0.68	81	0.19	69
4 Moral offences	0.16	71	-0.20	46
Crime Profile	*Medium City*		*Small City*	

Section 7. Summary and Policy Implications

In this study, factor analysis was successfully applied to objectively derive 4 meaningful crime components by grouping together highly correlated offences. The factor scores associated with the 4 components could be used as crime indices to summarize the rates of 25 offence categories. In this way, the factor scores provided a more concise and meaningful way to describe the crime patterns of all 600 cities than the traditional crime rates.

The discriminant analysis showed that crime patterns in the four Atlantic provinces and the three Prairie provinces are generally similar while the crime patterns in the three larger provinces (Ontario, Quebec, British Columbia) are distinct from other provinces. In terms of city size, the discriminant analysis again showed that crime patterns do vary by population level (see Table 8). While the analysis was only moderately successful in deriving the crime profiles (with slightly over half of the cities correctly classified) for the four geographical regions and for the four city size classes, the results were useful in showing whether individual cities resemble other cities in the same group or resemble cities in other groups.

Table 8: Summary of Crimes by the Two Classification Schemes

Classification Scheme	Component 1 Minor crimes	Component 2 Violent crimes	Component 3 Major property crimes	Component 4 Moral offences
Geographical Regions	high in British Columbia; low in Quebec	high in Atlantic/ Prairies; low in British Columbia	very high in British Columbia; low in Ontario	high in British Columbia & Ontario
City Size Classes	minor differentiation	high in towns; low in large & medium cities	very high in large cities; low in towns	increase with city sizes

This kind of information is useful for government, individual police departments and individual communities to better understand their crime patterns and to use this information to develop their own crime control and prevention strategies. First, cities may choose to focus their efforts on those crimes problematic to its own area as indicated by high crime indices, that is, high factor scores for specific crime components. Second, the development of regional and city size crime profiles shows how the crime pattern in a particular city may or may not be similar to other cities in its original grouping. Adopting successful crime prevention programs used by cities with the same crime profile may be an effective strategy in designing local programs. For example, a city with a large population may in fact have a crime pattern similar to small cities and crime prevention programs suitable for other large cities may not be the optimal choice. It is therefore appropriate to consider organizing roundtables among different layers of police to discuss common strategies in view of the crime similarities and dissimilarities found.

In terms of a national strategy for crime prevention, it is important to understand how crime varies from region to region and at the same time varies from city to city. As a result, very different crime prevention strategies should be employed in different specific situations.

This study employs various kinds of multivariate statistical methods to describe crime patterns of individual cities. The same kind of methodology may also be applied to other aspects of crime. The question of stability of the crime components may be addressed by analyzing data from different years. Such analysis will also be useful to detect crime trends for individual cities. Furthermore, as some crime prevention activities are directed towards reducing youth crime, the methodology in this study can be applied to data on the number of youth charged by the police. The results will be useful to pinpoint the type of youth crime problems in individual cities.

Appendix 1. An Illustration on the Difficulty of Describing a Crime Pattern

The following table shows the crime rates (per 100,000 population) reported by the Waterloo Region, Ontario for the 25 offence categories, as well as the crime rates for all Canada.

Offence Category	Canada	Mean of all cities	Waterloo Region	Compared to Mean
Homicide	1.8	1.1	0.5	-54%
Sexual assault I	76.1	115.5	72.1	-38%
Major sexual assault	2.2	3.7	1.1	-70%
Other sexual offences	10.8	17.4	3.2	-82%
Non-sexual assault I	594.7	910.3	403.8	-56%
Major non-sexual assault	133.3	145.9	103.6	-29%
Other non-sexual assault	40.0	87.1	28.3	-67%
Robbery	94.3	38.1	54.3	42%
Abduction & kidnapping	9.0	6.7	8.2	22%
Break & enter	1,044.4	1,040.6	1,029.5	-1%
Theft motor vehicle	529.3	381.0	624.8	64%
Theft over $5000	73.7	98.0	32.9	-66%
Theft $5000 & under	2,227.2	2,341.6	1,924.4	-18%
Possession of stolen goods	94.0	102.4	213.1	108%
Fraud & counterfeiting	415.6	624.0	364.5	-42%
Arson	41.9	44.8	47.5	6%
Vandalism	1,025.1	1,556.5	935.1	-40%
Moral offences	41.8	31.2	42.9	38%
Offensive weapons	52.6	78.3	36.7	-53%
Miscellaneous Criminal Code	1,224.9	2,146.3	438.2	-80%
Narcotics possession	158.9	230.4	106.8	-54%
Narcotics trafficking	76.9	109.6	27.2	-75%
Controlled & restricted drugs	26.1	2.2	0.0	-100%
Misc. Federal Statutes	126.5	118.9	123.6	4%
Criminal Code traffic	449.8	882.0	425.4	-52%
VIOLENT CRIMES	**962.2**	**1,325.7**	**675.1**	**-30%**
PROPERTY CRIMES	**4,384.2**	**4,587.6**	**4,189.2**	**-4%**

NOTE: Positive percentages indicate that crime rates in the Waterloo Region are higher than the mean crime rates for all 600 cities, and vice versa.

Because of the difficulty of summarizing the crime pattern of a city from a long list of crime rates such as above, a typical report on the crime rates in Waterloo Region would be something like: "The 1999 violent crime rate was 675 per 100,000 population, 30% below the Canadian rate of 962 per 100,000. The property crime rate was 4,189 per 100,000 population, 4%

below the Canadian rate of 4,384 per 100,000." However, such a brief report does not provide details of the overall crime pattern. See section 4 for a simplified crime picture.

The following table shows crime rates (per 100,000 population) for cities used as examples in this study (see Sections 5 and 6).

Offence Category	Gatineau QU	Longueuil QU	Richmond BC	Delta BC
Homicide	1.8	0.8	1.8	1.0
Sexual assault I	49	96	31	58
Major sexual assault	3	2	2	0
Other sexual offences	18	15	8	2
Non-sexual assault I	376	863	488	514
Major non-sexual assault	106	128	65	66
Other non-sexual assault	21	55	5	7
Robbery	54	167	105	58
Abduction & kidnapping	13	11	5	2
Break & enter	1,034	1,523	954	835
Theft motor vehicle	311	728	498	400
Theft over $5000	99	67	121	74
Theft $5000 & under	1,552	2,163	2,944	2,400
Possession of stolen goods	39	138	45	109
Fraud & counterfeiting	359	603	479	290
Arson	38	82	77	41
Vandalism	714	1,180	921	1,159
Moral offences	14	27	29	22
Offensive weapons	17	14	375	60
Miscellaneous Criminal Code	655	1,192	638	863
Narcotics possession	285	98	218	290
Narcotics trafficking	60	55	160	111
Controlled & restricted drugs	0	0	0	0
Misc. Federal Statutes	13	5	84	40
Criminal Code traffic	1,273	233	1,814	1,219
VIOLENT CRIMES	642	1,337	712	709
PROPERTY CRIMES	3,394	5,221	5,041	4,108

Appendix 2. Factor Scores for Four Crime Components of 600 Cities

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
NEWFOUNDLAND				
CHURCHILL FALLS (RNC), NF	0.45	1.25	-0.57	-0.87
CORNER BROOK (RNC), NF	0.29	-0.39	-0.85	-0.20
LABRADOR CITY, NF	0.23	-0.20	-0.56	0.35
ST. JOHN'S (RNC), NF	0.32	-0.21	-0.29	0.14
PRINCE EDWARD ISLAND				
BORDEN, PE	0.52	-0.63	-1.19	-0.36
CHARLOTTETOWN, PE	0.02	-0.29	-0.26	0.28
KENSINGTON, PE	-0.40	0.40	-0.03	-1.26
MONTAGUE (RCMP), PE	0.65	-0.28	0.00	0.33
STRATFORD (RCMP), PE	0.34	-0.50	-1.01	-0.43
SUMMERSIDE, PE	0.26	-0.33	-0.31	-0.31
NOVA SCOTIA				
AMHERST, NS	0.05	0.50	0.94	-0.12
ANNAPOLIS ROYAL, NS	0.08	0.90	0.25	0.83
ANTIGONISH (RCMP), NS	0.83	-0.27	-0.36	0.05
BERWICK, NS	0.34	-0.09	-0.70	-0.24
BRIDGEWATER, NS	0.37	2.24	1.38	0.06
DIGBY, NS	0.65	0.45	-0.69	2.01
GLACE BAY, NS	-0.25	-0.16	-0.75	0.01
HALIFAX REGIONAL, NS	0.25	-1.03	1.50	1.92
HANTSPORT, NS	-0.52	-0.08	0.13	-0.83
KENTVILLE, NS	0.69	0.45	-0.23	-0.49
LUNENBURG- MAHONE BAY P.S., NS	0.08	0.23	-0.67	-0.25
MIDDLETON, NS	0.11	0.92	-0.62	0.73
NEW GLASGOW, NS	0.13	0.26	0.04	0.32
NORTH SYDNEY, NS	-0.28	0.25	0.33	-0.63
OXFORD (RCMP), NS	-0.20	0.13	-0.41	0.19
PARRSBORO (RCMP), NS	0.04	0.54	-0.48	-0.74
PICTOU (RCMP), NS	0.07	0.12	-0.70	-0.69
PORT HAWKESBURY (RCMP), NS	0.05	0.11	-0.65	-0.34
SHELBURNE, NS	1.27	0.13	0.90	-1.26
SPRINGHILL, NS	0.33	0.55	-0.17	1.01
STELLARTON, NS	1.33	2.14	2.38	-0.95
SYDNEY, NS	0.18	-0.30	-0.29	0.55
TRENTON, NS	-0.55	0.60	-0.90	-0.90
TRURO, NS	0.34	-0.07	-0.14	0.19
UNAMA'KI TRIBAL POLICE, NS	-1.30	6.52	-1.33	-2.79
WESTVILLE, NS	-0.26	0.05	-0.63	-0.47
WINDSOR (RCMP), NS	0.71	0.17	0.37	-0.38
WOLFVILLE, NS	0.20	0.21	-0.15	0.28
YARMOUTH, NS	0.59	-0.08	0.47	-0.08
NEW BRUNSWICK				
B.N.P.P. REGIONAL, NB	-0.41	-0.05	-0.63	-0.43
BATHURST, NB	-0.11	0.52	-0.04	-0.43
BUCTOUCHE (RCMP), NB	-0.40	-0.50	-1.01	-0.36
CAMPBELLTON (RCMP), NB	0.50	-0.48	0.19	-0.05
CAP PELE (RCMP), NB	-0.53	-0.49	-1.12	-0.36
CARAQUET, NB	0.00	0.08	-0.97	-0.74
CODIAC REGIONAL (RCMP), NB	0.16	-0.41	0.43	0.09
EDMUNDSTON, NB	0.14	-0.41	-0.74	-0.24
FREDERICTON, NB	-0.21	-0.27	0.12	0.02
GRAND FALLS, NB	-0.12	-0.26	0.03	-0.10

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
HAMPTON (RCMP), NB	0.10	0.19	-0.88	-0.32
MCADAM, NB	0.40	0.23	-0.81	-0.41
MIRAMICHI POLICE FORCE, NB	0.08	-0.23	-0.59	0.34
NEGUAC (RCMP), NB	0.38	0.35	-1.08	-0.55
OROMOCTO (RCMP), NB	0.22	0.30	-0.24	-0.61
RICHIBUCTO (RCMP), NB	0.17	0.49	-0.95	-0.35
ROTHESAY REGIONAL, NB	-0.36	-0.52	-1.05	-0.22
SACKVILLE, NB	0.16	0.39	-0.88	0.41
SAINT JOHN, NB	0.11	0.42	0.25	0.80
SAINT QUENTIN (RCMP), NB	0.22	0.17	0.45	-0.40
ST. ANDREWS (RCMP), NB	0.43	0.48	-0.97	-0.33
ST. STEPHEN, NB	0.23	0.74	0.25	-0.45
WOODSTOCK, NB	0.30	0.04	0.23	-0.13
QUEBEC				
ALMA, QU	0.33	0.23	0.83	-0.27
AMERINDIENNE D'ODANAK, QU	0.44	0.83	-0.77	0.16
AMERINDIENNE DE LA ROMAINE, QU	2.50	1.31	-3.72	0.59
AMERINDIENNE DE MANAWAN, QU	0.42	3.40	-1.09	0.74
AMERINDIENNE DE MINGAN, QU	0.74	3.65	-1.87	0.02
AMERINDIENNE DE WEMOTACI, QU	0.35	4.29	-2.20	2.11
AMOS, QU	0.33	0.13	0.77	-0.43
ASBESTOS, QU	0.26	0.61	-0.48	-0.45
AYLMER, QU	0.27	0.40	-0.35	-0.18
BAIE-COMEAU, QU	0.38	0.17	0.52	-0.72
BEDFORD, QU	0.47	0.22	-0.67	0.89
BELOEIL, QU	0.41	0.49	0.24	-0.25
BLAINVILLE, QU	0.51	-0.58	-0.37	-0.33
BOISBRIAND, QU	0.45	0.72	-0.24	0.13
BOUCHERVILLE, QU	0.53	0.30	0.05	-0.35
BROMONT, QU	0.56	0.05	1.26	-0.85
BROSSARD, QU	0.45	0.87	0.38	0.41
CAP-DE-LA-MADELEINE, QU	0.40	-0.50	-0.29	-0.24
CARIGNAN, QU	0.38	0.11	-0.19	-0.60
CHAMBLY, QU	0.48	-0.22	-0.02	0.57
CHANDLER, QU	0.45	0.82	-0.16	0.03
CHARLESBOURG, QU	0.51	0.48	-0.17	-0.16
CHATEAUGUAY, QU	0.56	0.39	-0.03	-0.02
CHAUDIERE-ETCHEMIN, QU	0.51	0.46	-0.42	-0.36
CHICOUTIMI, QU	0.59	0.17	0.76	-0.42
COATICOOK, QU	0.04	0.16	1.27	-1.00
COWANSVILLE, QU	0.40	0.03	4.03	-0.68
D'ESSIPIT, QU	0.90	2.45	0.58	-3.85
DES SEIGNEURIES (REGIE), QU	0.48	0.37	-0.74	-0.37
DEUX-MONTAGNES REGION, QU	0.38	-0.59	-0.07	0.05
DOLBEAU-MISTASSINI, QU	0.49	-0.31	-0.55	-0.52
DONNACONA, QU	0.33	0.35	-0.83	-0.46
DRUMMONDVILLE, QU	0.32	0.34	1.74	-0.34
EAGLE VILLAGE, QU	0.41	0.88	-1.86	0.00
EAST ANGUS, QU	0.40	-0.19	-0.17	-0.69
ESTEREL, QU	2.31	-1.18	2.96	-0.61
FARNHAM, QU	0.13	0.54	-0.19	0.04
FERMONT, QU	0.44	0.17	-0.84	-0.45
GATINEAU, QU	0.16	-0.40	-0.01	-0.16
GESGAPEGIAC AMERINDIAN, QU	-0.70	0.31	-1.44	0.28
GRANBY CANTON, QU	-0.29	0.38	-0.25	0.72
GRANBY, QU	0.53	-0.34	1.21	-0.05
GRAND-MERE, QU	0.33	0.39	-0.53	-0.14
GREENFIELD PARK, QU	0.27	-0.92	1.13	1.12
HAUT-RICHELIEU, QU	0.47	-0.41	1.01	-0.24

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
HAUTE-SAINT-CHARLES, QU	0.44	-0.42	-0.61	-0.49
HUDSON, QU	0.41	-0.46	-1.00	-0.23
HULL, QU	0.13	-1.05	0.94	1.72
JONQUIERE, QU	0.50	-0.33	-0.32	-0.08
KANESATAKE MOHAWK, QU	0.51	0.45	1.20	0.53
KATIVIK REGIONAL, QU	1.22	1.11	1.10	0.85
KITIGAN ZIBI ANISHINABEG, QU	0.28	0.30	0.74	1.07
L'ANCIENNE-LORETTE, QU	0.49	0.49	0.75	0.10
L'ASSOMPTION, QU	0.37	0.37	2.21	0.51
L'ILE-PERROT, QU	0.55	-0.45	0.28	0.42
LA BAIE, QU	0.48	0.29	0.58	0.22
LA MALBAIE-POINTE-AU-PIC, QU	0.36	-0.51	0.92	0.06
LA PLAINE, QU	0.38	-0.59	0.03	0.07
LA POCATIERE, QU	0.27	0.40	0.52	0.02
LA PRAIRIE, QU	0.60	0.61	0.53	0.06
LA TUQUE, QU	0.45	0.39	0.41	0.81
LAC BROME, QU	0.62	0.30	0.00	0.55
LAC-MEGANTIC, QU	0.33	0.43	0.53	0.52
LAC-SIMON, QU	0.66	3.14	0.36	0.80
LACHENAIE, QU	0.39	0.49	0.37	0.34
LACHUTE, QU	0.63	-0.10	1.42	0.43
LAVAL, QU	0.49	0.68	0.80	0.15
LE GARDEUR, QU	0.46	0.45	0.55	0.15
LEBEL-SUR-QUEVILLON, QU	0.45	-0.10	0.60	0.59
LERY, QU	0.13	0.47	0.36	0.72
LEVIS, QU	0.38	0.37	0.48	0.29
LONG POINT, QU	0.08	2.77	1.45	7.70
LONGUEUIL, QU	0.40	0.53	1.04	0.51
LORRAINE, QU	0.50	0.47	0.56	0.53
MARIEVILLE, QU	0.45	0.40	0.23	0.01
MASCOUCHE, QU	0.57	0.64	0.46	0.34
MASHTEUIATSH, QU	0.13	0.61	0.48	0.47
MATANE, QU	0.30	0.27	0.19	0.49
MEMPHREMAGOG, QU	0.32	0.07	0.75	0.59
MERCIER, QU	0.51	0.50	0.62	0.39
METABETCHOUAN, QU	0.37	0.48	0.71	0.49
MIRABEL, QU	0.51	0.42	0.06	0.34
MONT-JOLI, QU	0.38	0.26	0.46	0.01
MONT-ST-HILAIRE, QU	0.54	0.43	0.15	0.37
MONTAGNAIS DE PAKUA SHIPI, QU	0.84	4.97	2.49	1.61
MONTAGNAIS DE SCHEFFERVILLE, QU	1.33	3.81	1.49	1.74
MONTAGNAISE DE NATASHQUAN, QU	0.45	0.29	1.37	1.33
MONTCALME (REGIE), QU	0.62	0.21	0.29	0.34
MONTMAGNY, QU	0.35	0.40	0.26	0.40
MONTREAL, QU	0.63	1.08	1.89	1.48
MORIN HEIGHTS, QU	0.10	1.20	1.20	0.19
MRC DES COLLINES DE L'OUTAOUAIS, QU	0.50	0.38	0.36	0.49
NASKAPI, QU	0.57	0.86	0.51	0.21
NICOLET, QU	0.07	1.18	4.48	1.89
NORMANDIN, QU	0.30	0.43	0.60	0.68
OBEDJIWAN, QU	0.84	3.28	0.99	0.68
OTTERBURN PARK, QU	0.53	0.52	0.76	0.38
PIKOGAN, QU	0.46	2.76	1.06	0.64
PINCOURT, QU	0.43	0.64	0.53	0.20
PLESSISVILLE, QU	0.03	0.52	0.04	0.32
PORT-CARTIER, QU	0.58	0.11	0.35	0.20
PRINCEVILLE, QU	0.05	0.51	0.64	0.14
QUEBEC CITY, QU	0.31	0.87	1.01	0.34
REGIE INTERMUN. DE JOLIETTE, QU	0.52	0.52	0.99	0.10
REGIE INTERMUN. DE ROUSSILLON, QU	0.56	0.44	0.32	0.23
REGION DES RIVERAINS, QU	0.39	0.38	0.06	0.08
REPENTIGNY, QU	0.43	0.64	0.19	0.13

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
RICHMOND, QU	-1.71	3.12	8.67	-4.95
RIMOUSKI, QU	0.34	0.19	0.10	-0.32
RIVIERE DU LOUP, QU	0.07	0.15	0.04	-0.13
RIVIERE DU NORD (REGIE), QU	-0.47	0.23	0.11	-0.45
ROBERVAL, QU	-0.46	0.08	1.30	0.18
ROSEMERE, QU	-0.39	0.82	1.07	0.14
ROUYN-NORANDA, QU	-0.31	0.28	0.35	0.07
SAINT CESAIRE, QU	-0.21	0.41	0.23	0.58
SAINTE JULIE, QU	0.47	0.45	0.18	-0.54
SEPT ILES, QU	-0.39	0.10	0.07	1.12
SHAWINIGAN REGIONAL, QU	0.47	0.10	0.24	-0.07
SHAWINIGAN SUD, QU	-0.28	0.72	0.76	0.27
SHERBROOKOISE REGION, QU	-0.52	0.45	0.34	0.05
SILLERY, QU	-0.52	0.62	0.69	0.18
SOREL, QU	0.48	0.46	1.35	-0.11
ST ADOLPHE D'HOWARD, QU	1.12	0.44	1.84	1.64
ST BASILE LE GRAND, QU	0.65	0.11	0.27	-0.67
ST BRUNO DE MONTARVILLE, QU	0.30	0.73	0.42	0.16
ST DONAT, QU	0.63	0.10	0.76	0.74
ST EUSTACHE, QU	0.50	0.26	0.87	0.01
ST FELICIEN, QU	0.16	0.46	0.52	-0.52
ST GEORGES, QU	0.29	0.36	0.26	-0.29
ST HUBERT, QU	-0.55	0.47	0.45	-0.03
ST HYACINTHE, QU	-0.35	0.28	2.81	-0.25
ST JEROME, QU	0.43	0.91	1.56	1.13
ST JOVITE, QU	0.06	0.56	0.62	0.36
ST LAMBERT, QU	-0.54	0.51	0.08	0.15
ST LUC, QU	-0.53	0.47	0.64	0.27
ST REMI, QU	-0.46	0.15	0.36	0.75
ST SAUVEUR DES MONTS, QU	0.38	0.72	1.90	0.85
STE ADELE, QU	-0.71	0.34	2.67	-1.08
STE AGATHE DES MONTS, QU	0.38	0.49	1.72	-0.38
STE FOY, QU	-0.34	0.72	0.28	0.25
STE MARIE, QU	-0.27	0.51	0.87	-0.35
STE THERESE, QU	0.55	0.51	1.58	0.40
TEMISCAMING, QU	-0.46	1.83	0.36	-1.77
TERREBONNE, QU	0.56	0.54	0.58	0.17
THETFORD MINES, QU	-0.46	0.08	0.62	-0.43
TRACY, QU	-0.51	0.73	0.72	-0.05
TROIS RIVIERES, QU	-0.09	0.95	1.01	1.58
TROIS RIVIERES-OUEST, QU	0.33	0.49	0.19	-0.25
UASHAT MALIOTENAM, QU	0.14	1.16	0.04	0.40
VAL BELAIR, QU	-0.43	0.47	0.85	-0.43
VAL D'OR, QU	-0.39	0.37	1.08	0.12
VALCOURT, QU	-0.24	0.38	0.69	-0.40
VARENNES, QU	-0.46	0.48	0.57	-0.49
VAUDREUIL-DORION, QU	-0.46	0.10	1.14	-0.29
VICTORIAVILLE, QU	-0.33	0.55	0.09	0.07
WENDAKE, QU	-0.10	0.58	0.07	-1.79
WINDSOR, QU	-0.08	0.43	0.52	0.06
ONTARIO				
AKWESASNE MOHAWK POLICE SERVICE, ON	-0.37	0.10	0.87	-0.21
AMHERSTBURG, ON	-0.07	0.53	0.81	-0.11
APSLEY/N.KAWARTHM (OPP), ON	-0.78	0.24	0.59	0.49
ARNPRIOR, ON	0.51	0.30	0.63	0.29
ASPHODEL-NORWOOD (OPP), ON	0.09	0.11	0.80	-0.29
ATIKOKAN (TWP), ON	-0.05	0.26	-0.13	-0.03
AUGUSTA (OPP), ON	-0.56	0.49	1.10	-0.37
AYLMER, ON	-0.21	0.04	0.56	-0.27
BARRIE, ON	0.33	0.55	0.33	1.07
BATH/BURG/SHERBROOKE (OPP), ON	-0.51	-0.26	0.52	-0.46

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
BELLEVILLE, ON	0.05	-0.13	0.48	0.37
BLIND RIVER (OPP), ON	0.33	1.17	0.96	1.39
BRANT COUNTY, ON	0.38	-0.81	-0.27	0.36
BRANTFORD, ON	0.17	-0.41	0.38	0.30
BRIGHTON TOWN (OPP), ON	0.48	-0.42	-0.55	0.10
BROCKVILLE, ON	0.52	-0.29	-0.96	0.35
CALEDON (OPP), ON	0.18	0.62	-0.67	0.14
CARLETON PLACE, ON	0.06	0.55	-0.82	3.40
CAVAN/MILLB/N. MONAGHAN (OPP), ON	0.02	0.21	-0.80	0.01
CHATHAM-KENT, ON	0.05	0.28	-0.24	0.08
CLINTON (OPP), ON	0.04	0.32	0.04	0.19
COBOURG, ON	0.35	0.63	-0.38	0.61
COCHRANE (OPP), ON	0.25	0.30	-1.11	0.90
COLLINGWOOD, ON	0.69	0.16	0.14	0.50
CORNWALL, ON	0.31	0.26	0.20	0.15
DEEP RIVER, ON	0.08	0.80	0.82	0.14
DESERONTO, ON	1.38	0.48	0.26	0.17
DOURO-DUMMER (OPP), ON	0.48	0.42	-0.78	0.10
DRUMMOND-N. ELMSLEY (OPP), ON	0.59	0.05	-0.77	0.30
DRYDEN, ON	0.29	0.29	-0.45	0.32
DURHAM REGIONAL, ON	0.36	0.57	-0.16	0.26
DYMOND (OPP), ON	0.06	0.33	-0.23	0.18
E. NIPISSING GROUP OF 3 (OPP), ON	0.63	0.27	-0.90	0.31
EAST PERTH (OPP), ON	0.43	0.31	-0.82	0.43
ELLIOT LAKE (TWP), ON	0.15	0.35	-0.02	0.40
ESPANOLA, ON	0.08	0.26	-0.36	0.04
ESSEX, ON	0.34	0.48	-0.72	0.14
EXETER, ON	0.55	0.37	-0.84	0.72
FORT FRANCES (OPP), ON	0.19	0.05	-0.37	0.80
GANANOQUE, ON	0.00	0.05	-0.08	0.40
GODERICH (OPP), ON	0.16	0.15	-0.85	0.41
GUELPH, ON	0.24	0.52	-0.11	0.32
HALDIMAND-NORFOLK (OPP), ON	0.18	0.24	-0.36	0.09
HALTON REGIONAL, ON	0.24	0.54	-0.51	0.16
HAMILTON-WENTWORTH REGIONAL, ON	0.34	0.62	0.74	0.65
HARVEY/GALA/CAVEN. (OPP), ON	0.42	0.06	-0.52	0.13
HAVELOCK, ON	0.15	-0.35	-1.18	0.09
HAWKESBURY, ON	1.12	-0.31	-0.59	0.87
IGNACE (OPP), ON	0.02	0.00	-0.64	0.04
INGERSOLL, ON	0.02	0.43	-0.52	0.08
JAFFRAY MELICK (OPP), ON	0.17	0.24	-0.96	0.59
KALADAR (OPP), ON	0.11	-0.39	-0.28	0.05
KAPUSKASING, ON	0.31	-0.42	-0.99	0.80
KEEWATIN (OPP), ON	0.04	0.50	-0.35	0.14
KEMPTVILLE (OPP), ON	0.01	0.10	-0.33	0.14
KENORA, ON	0.57	4.42	0.82	1.99
KINCARDINE, ON	0.85	-0.37	-1.06	0.17
KINGSTON, ON	0.06	-0.56	0.15	0.23
KINGSVILLE, ON	0.20	-0.12	-0.92	0.25
KIRKLAND LAKE (OPP), ON	1.64	-0.42	0.15	1.12
LAC SEUL, ON	0.13	7.63	0.15	3.58
LAKESHORE (OPP), ON	0.27	0.55	-0.95	0.00
LANARK HIGHLANDS (OPP), ON	-0.53	-0.59	-1.17	-0.39
LASALLE POLICE SERVICE, ON	0.26	-0.74	-0.68	0.16
LEAMINGTON, ON	0.06	-0.36	-0.71	0.05
LINDSAY, ON	0.51	-0.09	-0.05	1.69
LONDON, ON	0.08	-0.39	0.61	0.03
MARATHON (OPP), ON	0.21	0.61	-0.95	1.15
MATTAWA GROUP OF 4 (OPP), ON	-0.21	0.26	-0.39	-0.06
MEAFORD-THORNBURY, ON	0.20	-0.30	-0.75	0.35
MERRICKVILLE (OPP), ON	0.20	0.41	-0.91	-0.22
MICHIPICOTEN (TWP), ON	0.08	0.10	-0.42	0.67

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
MIDLAND, ON	1.18	0.46	0.08	0.99
MISSISSIPPI MILLS (OPP), ON	-0.41	-0.19	0.64	0.21
MNJIKANING (OPP), ON	20.86	0.75	3.08	2.54
MONO (OPP), ON	-0.29	0.51	0.71	0.12
MONTAGUE (OPP), ON	-0.12	0.67	0.43	0.15
MOORE (OPP), ON	-0.12	-0.32	0.77	0.06
N. PARRY SOUND GROUP OF 2 (OPP), ON	0.82	0.50	0.05	0.25
NEW LISKEARD, ON	-0.10	0.13	0.38	-0.06
NEW TECUMSETH (OPP), ON	0.04	0.37	0.82	0.00
NIAGARA REGIONAL, ON	0.22	0.54	0.24	0.21
NISHNAWBE-ASKI POLICE SERVICE, ON	1.60	6.63	0.33	0.94
NORTH BAY, ON	0.05	0.46	0.08	0.33
NORTH GLENGARRY POLICE, ON	0.19	0.64	0.33	0.47
NORTH PERTH (OPP), ON	-0.40	0.50	0.86	0.30
NORTH SHORE (OPP), ON	0.51	0.61	0.47	0.15
ORANGEVILLE, ON	0.21	0.44	0.41	0.17
ORILLIA (OPP), ON	0.41	0.10	0.09	1.14
OTONABEE/S. MONAGHAN (OPP), ON	0.45	0.25	0.58	0.30
OTTAWA-CARLETON REGIONAL, ON	0.35	0.70	0.54	0.53
OWEN SOUND, ON	0.23	0.41	0.16	0.62
OXFORD COMMUNITY, ON	0.25	0.27	0.28	0.14
PEEL REGIONAL, ON	0.28	0.50	0.24	0.09
PEMBROKE, ON	0.29	0.16	0.33	0.74
PENETANGUISHENE (OPP), ON	0.20	0.16	0.29	0.78
PERTH, ON	3.06	0.81	3.46	2.41
PETERBOROUGH LAKEFIELD, ON	0.01	0.38	0.45	0.01
PETROLIA, ON	0.19	0.36	0.80	0.13
POINT EDWARD (OPP), ON	0.00	0.00	0.41	3.05
PORT HOPE, ON	0.20	0.42	0.40	0.31
POWASSAN (OPP), ON	0.09	1.84	0.03	4.98
PRESCOTT, ON	0.22	0.27	0.81	0.04
PRINCE EDWARD COUNTY (OPP), ON	0.48	0.48	1.05	0.11
QUINTE WEST POLICE SERVICE, ON	0.12	0.28	0.53	0.03
RED LAKE (OPP), ON	1.53	0.78	0.10	2.98
RED ROCK (TWP), ON	0.20	0.56	0.90	0.42
RENFREW, ON	0.21	0.51	0.56	0.85
SARNIA, ON	0.09	0.33	0.43	0.31
SAUGEEN SHORES, ON	0.13	0.29	0.69	0.33
SAULT STE. MARIE, ON	0.30	0.28	0.19	0.60
SEAFORTH, ON	0.27	0.26	0.25	0.09
SHEDDEN (OPP), ON	-0.07	0.75	0.18	0.55
SHELBURNE, ON	1.03	0.03	0.33	0.89
SHUNIAH (OPP), ON	0.51	0.18	0.40	0.36
SIOUX NARROWS (OPP), ON	0.25	1.79	0.91	0.73
SIX NATIONS POLICE, ON	-0.91	0.83	1.63	1.85
SMITH/ENNISMORE (OPP), ON	0.31	0.35	0.85	0.12
SMITHS FALLS, ON	0.29	0.02	0.15	0.21
SMOOTH ROCK FALLS, ON	0.38	0.20	0.73	0.17
SOUTH BRUCE GREY, ON	0.03	0.27	0.77	0.17
SOUTH FRONTENAC (OPP), ON	0.36	0.22	0.23	0.20
SOUTH SIMCOE POLICE SERVICE, ON	0.31	0.44	0.63	0.28
ST. MARYS, ON	0.01	0.70	0.12	0.85
ST. THOMAS, ON	0.54	0.45	0.36	0.77
STIRLING-RAWDON, ON	0.41	0.35	0.58	0.41
STONE MILLS (OPP), ON	0.39	0.32	0.60	0.43
STRATFORD, ON	-0.05	0.56	0.42	0.30
STRATHROY, ON	0.26	0.33	0.04	0.25
SUDBURY REGIONAL, ON	0.25	0.38	0.07	0.25
TECUMSEH (OPP), ON	0.30	0.42	0.77	0.24
TEMAGAMI (OPP), ON	0.34	0.37	0.67	0.72
TERRACE BAY (TWP), ON	0.29	0.84	0.61	0.23
THESSALON (OPP), ON	0.58	0.80	0.91	0.45

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
THUNDER BAY, ON	0.34	-0.48	0.06	0.72
TILLSONBURG, ON	-0.30	-0.31	0.07	0.01
TIMMINS, ON	-0.05	0.44	0.07	0.16
TORONTO, ON	-0.17	1.05	0.66	1.26
U.C.C.M. ANISHNAABE POLICE, ON	0.18	1.62	0.80	0.80
WATERLOO REGIONAL, ON	-0.17	-0.60	0.23	0.35
WELLINGTON COUNTY (OPP), ON	-0.41	0.47	-0.96	0.28
WEST NIPISSING, ON	0.08	0.19	-0.10	0.53
WEST PERTH (OPP), ON	0.00	-0.36	-0.69	0.32
WESTPORT (OPP), ON	-0.21	-0.19	0.70	0.04
WIARTON, ON	-0.07	-0.12	-1.11	0.98
WIKWEMIKONG, ON	-0.28	1.81	0.44	2.41
WINDSOR, ON	-0.20	-0.52	0.66	0.12
WINGHAM, ON	-0.03	0.15	-1.10	0.50
YORK REGIONAL, ON	-0.40	0.48	-0.31	0.07
MANITOBA				
ALTONA, MB	0.11	-0.36	-0.70	0.40
BEAUSEJOUR (RCMP), MB	-0.05	0.71	0.05	1.37
BOISSEVAN (RCMP), MB	0.30	0.30	0.59	0.76
BRANDON, MB	0.18	0.16	0.76	0.57
CARMAN (RCMP), MB	-0.17	-0.12	-0.03	0.43
DAKOTA OJIBWAY POLICE SERVICE, MB	1.08	4.24	-0.01	4.38
DAUPHIN (RCMP), MB	0.07	0.59	1.57	0.26
EAST ST. PAUL, MB	-0.28	-0.43	0.38	0.06
FLIN FLON (RCMP), MB	-0.21	-0.46	0.13	0.13
GILLAM (RCMP), MB	-0.58	0.54	-2.00	9.12
GIMLI (RCMP), MB	0.41	-0.20	-0.27	0.57
KILLARNEY (RCMP), MB	-0.13	-0.18	-0.73	0.54
LEAF RAPIDS (RCMP), MB	0.18	0.73	-0.27	1.01
MINNEDOSA (RCMP), MB	0.22	0.14	0.32	0.34
MORDEN, MB	-0.20	0.11	-0.23	0.76
NEEPAWA (RCMP), MB	-0.16	0.14	0.14	0.75
PINAWA (RCMP), MB	-0.20	-0.27	-0.71	0.62
PORTAGE LA PRAIRIE (RCMP), MB	0.00	0.36	2.59	1.38
RIVERS, MB	0.45	0.75	-0.14	0.71
ROBLIN (RCMP), MB	-0.12	0.25	-0.70	0.81
RUSSELL (RCMP), MB	0.63	0.61	-0.33	0.70
SELKIRK (RCMP), MB	-0.16	1.02	0.61	0.48
SOURIS (RCMP), MB	-0.29	-0.23	0.62	0.34
STE. ANNE, MB	-0.64	1.22	0.55	1.48
STEINBACH, MB	-0.13	-0.14	0.18	0.37
STONEWALL (RCMP), MB	-0.27	-0.30	0.85	0.27
SWAN RIVER (RCMP), MB	0.24	-0.32	1.37	0.49
THE PAS (RCMP), MB	0.39	2.20	0.77	0.38
THOMPSON (RCMP), MB	0.28	2.06	0.29	0.26
VIRDEN (RCMP), MB	-0.15	0.35	0.31	0.60
WINKLER, MB	0.17	-0.57	0.49	0.06
WINNIPEG (GREATER), MB	0.54	-0.93	2.08	1.38
SASKATCHEWAN				
ASSINIBOIA (RCMP), SK	0.06	-0.19	0.75	0.35
BATTLEFORD (RCMP), SK	0.13	-0.32	-0.60	0.38
BIGGAR (RCMP), SK	-0.11	0.18	-0.17	0.02
CANORA (RCMP), SK	-0.36	0.27	0.43	0.99
CARONPORT, SK	-0.55	-0.51	0.86	0.43
CHURCHBRIDGE, SK	-0.34	-0.28	0.81	0.59
CREIGHTON (RCMP), SK	-0.08	0.12	0.81	0.54
CUDWORTH, SK	-0.54	-0.18	-0.97	0.39
DALMENY, SK	0.21	-0.19	0.88	0.61
ESTERHAZY (RCMP), SK	0.12	0.11	-0.63	0.89
ESTEVAN, SK	-0.04	-0.59	-0.50	0.04

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
FORT QU'APPELLE (RCMP), SK	0.17	3.30	2.53	3.37
HUDSON BAY (RCMP), SK	0.07	0.45	0.67	0.45
HUMBOLDT (RCMP), SK	0.19	-0.66	-0.10	0.46
INDIAN HEAD (RCMP), SK	-0.72	1.95	0.00	2.22
KAMSACK (RCMP), SK	0.87	1.35	2.51	1.24
KINDERSLEY (RCMP), SK	0.41	-0.05	0.24	0.74
LA RONGE (RCMP), SK	0.84	1.79	1.26	0.39
LANGHAM, SK	0.51	-0.26	0.74	-0.96
LANIGAN (RCMP), SK	0.25	0.29	-0.90	0.91
LLOYDMINSTER (RCMP), SK	0.96	-0.43	0.08	0.23
LUSELAND, SK	-0.52	-0.47	-0.87	-0.47
MACKLIN, SK	0.30	0.44	0.62	0.16
MAPLE CREEK (RCMP), SK	0.31	-0.14	0.51	0.53
MEADOW LAKE (RCMP), SK	1.26	0.77	0.65	0.16
MELFORT (RCMP), SK	0.14	-0.23	0.23	0.50
MELVILLE (RCMP), SK	0.13	0.01	0.45	0.05
MOOSE JAW, SK	0.35	-0.05	0.16	0.05
MOOSOMIN (RCMP), SK	0.05	-0.18	0.43	0.60
NIPAWIN (RCMP), SK	0.04	0.31	0.24	0.11
NORTH BATTLEFORD (RCMP), SK	1.12	0.96	1.40	0.87
OUTLOOK (RCMP), SK	0.23	0.18	0.38	0.99
PRINCE ALBERT, SK	0.23	-0.34	1.01	1.20
REGINA, SK	0.26	-0.63	2.14	1.95
ROSETOWN (RCMP), SK	0.10	0.18	0.29	0.83
SASKATOON, SK	0.06	-0.70	1.38	1.03
SHAUNAVON (RCMP), SK	0.31	-0.20	-0.51	0.30
STOUGHTON, SK	0.38	-0.16	0.08	0.78
SWIFT CURRENT (RCMP), SK	0.28	-0.46	0.44	0.18
TISDALE (RCMP), SK	0.44	0.17	0.15	1.02
UNITY (RCMP), SK	0.15	0.07	0.47	1.00
WADENA (RCMP), SK	1.10	0.27	0.05	0.63
WARMAN (RCMP), SK	0.25	-0.47	0.66	0.45
WATROUS (RCMP), SK	0.23	-0.26	0.07	0.41
WATSON, SK	0.16	-0.16	0.06	1.04
WEYBURN, SK	0.00	0.06	0.07	0.33
WILKIE (RCMP), SK	0.36	0.93	1.03	2.38
WYNYARD, SK	0.19	0.21	0.27	0.73
YELLOW GRASS, SK	-0.57	-0.46	0.92	0.49
YORKTON (RCMP), SK	0.36	0.02	0.13	0.14
ALBERTA				
AIRDRIE (RCMP), AB	0.18	-0.43	0.42	0.04
ATHABASKA (RCMP), AB	0.74	-0.18	0.34	0.36
BANFF (RCMP), AB	1.58	0.08	1.97	0.33
BARRHEAD, AB	0.09	0.05	0.16	-0.73
BEAUMONT (RCMP), AB	-0.33	-0.17	0.92	-0.17
BLOOD TRIBE POLICE, AB	0.55	2.55	0.45	2.33
BONNYVILLE (RCMP), AB	0.32	0.47	0.00	0.06
BROOKS (RCMP), AB	0.50	0.17	0.46	0.51
CALGARY, AB	0.26	-0.73	0.66	0.65
CAMROSE, AB	0.80	-0.22	0.21	0.04
CANMORE (RCMP), AB	0.30	0.26	0.25	0.19
CARDSTON (RCMP), AB	0.39	0.37	0.03	0.04
CLARESHOLM (RCMP), AB	0.05	0.26	0.22	0.54
COALDALE, AB	0.33	-0.47	0.94	0.20
COCHRANE (RCMP), AB	-0.11	-0.54	0.43	0.57
COLD LAKE (RCMP), AB	0.07	0.16	0.45	0.24
CROWSNEST PASS (RCMP), AB	0.05	0.35	0.58	0.27
DEVON (RCMP), AB	-0.27	-0.19	0.41	0.03
DIDSBURY (RCMP), AB	0.01	0.14	0.70	0.51
DRAYTON VALLEY (RCMP), AB	0.50	0.36	0.37	1.15
DRUMHELLER (RCMP), AB	0.58	-0.31	0.84	0.11

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
EDMONTON, AB	0.11	1.07	1.29	1.36
EDSON (RCMP), AB	0.33	0.01	0.51	-0.78
FAIRVIEW (RCMP), AB	0.08	0.93	0.02	0.01
FORT MACLEOD (RCMP), AB	1.51	0.61	0.60	-0.23
FORT MCMURRAY (RCMP), AB	0.52	0.20	0.05	0.09
FORT SASKATCHEWAN (RCMP), AB	-0.06	0.34	0.59	-0.39
FOX CREEK (RCMP), AB	-0.51	1.18	0.23	1.05
GRANDE CACHE (RCMP), AB	0.37	0.32	0.82	-0.37
GRANDE PRAIRIE (RCMP), AB	0.95	-0.37	0.48	0.31
GRIMSHAW (RCMP), AB	0.20	0.07	0.25	-0.28
HANNA (RCMP), AB	-0.28	0.02	0.74	-0.02
HIGH LEVEL (RCMP), AB	1.58	1.76	1.37	-0.98
HIGH PRAIRIE (RCMP), AB	2.36	1.10	1.54	0.51
HIGH RIVER (RCMP), AB	-0.09	0.08	0.49	-0.25
HINTON, AB	0.32	0.34	0.66	-0.80
HOBBEMA POLICE, AB	0.90	3.24	0.50	2.56
INNISFAIL (RCMP), AB	0.60	0.85	0.38	0.03
LAC LA BICHE (RCMP), AB	0.89	2.47	2.23	-1.97
LACOMBE, AB	0.40	0.46	0.28	-0.32
LEDUC (RCMP), AB	0.02	0.31	0.30	0.03
LETHBRIDGE, AB	0.55	0.44	0.77	0.98
LOUIS BULL, AB	1.49	6.78	1.22	3.68
MEDICINE HAT, AB	0.00	0.33	0.16	0.14
MORINVILLE (RCMP), AB	0.25	0.14	0.38	-0.80
OKOTOKS (RCMP), AB	0.08	0.03	0.47	-0.40
OLDS (RCMP), AB	0.10	0.08	0.34	-0.40
PEACE RIVER (RCMP), AB	-0.04	0.19	0.28	-0.48
PINCHER CREEK (RCMP), AB	0.52	0.41	0.63	0.45
PONOKA (RCMP), AB	0.05	0.12	0.77	-0.16
RAYMOND (RCMP), AB	-0.39	0.15	-1.02	-0.34
RED DEER (RCMP), AB	0.58	0.44	0.60	0.51
REDWATER (RCMP), AB	0.02	0.20	0.16	1.06
RIMBEY, AB	0.12	0.19	0.56	-0.10
ROCKY MOUNTAIN HOUSE (RCMP), AB	0.92	0.84	0.96	-1.19
SHERWOOD PARK (RCMP), AB	0.16	0.51	0.68	-0.24
SIKSIKA NATION POLICE, AB	-0.94	3.62	0.04	1.62
SLAVE LAKE (RCMP), AB	0.24	0.59	0.05	-0.31
SPRUCE GROVE (RCMP), AB	0.10	0.37	0.44	-0.20
ST. ALBERT (RCMP), AB	-0.03	0.50	0.50	-0.02
ST. PAUL (RCMP), AB	1.00	0.36	0.66	1.08
STETTLER (RCMP), AB	0.42	0.30	0.27	-0.39
STONY PLAIN (RCMP), AB	-0.16	0.08	0.22	-0.69
STRATHMORE (RCMP), AB	0.37	0.23	0.06	-0.03
SWAN HILLS (RCMP), AB	0.36	0.46	0.13	-0.51
SYLVAN LAKE (RCMP), AB	0.20	0.23	0.49	-0.04
TABER, AB	0.66	0.13	0.66	-0.24
THREE HILLS (RCMP), AB	0.05	0.49	0.80	-0.51
VALLEYVIEW (RCMP), AB	1.47	1.70	2.73	-0.15
VEGREVILLE (RCMP), AB	0.13	0.14	0.30	-0.26
VERMILION (RCMP), AB	0.20	0.19	0.78	-0.64
WAINWRIGHT (RCMP), AB	0.06	0.82	-0.35	-0.67
WESTLOCK (RCMP), AB	0.68	0.00	0.33	-0.46
WETASKIWIN (RCMP), AB	0.45	0.90	0.97	0.70
WHITECOURT (RCMP), AB	0.33	0.11	-0.32	-0.32
BRITISH COLUMBIA				
ABBOTSFORD, BC	-0.05	0.47	0.78	0.10
BURNABY (RCMP), BC	0.23	1.47	2.67	0.99
CAMPBELL RIVER (RCMP), BC	0.51	0.10	1.29	0.87
CASTLEGAR (RCMP), BC	0.41	0.12	0.55	-0.51
CENTRAL SAANICH (DISTRICT), BC	0.04	0.32	0.38	-0.35
CHILLIWACK (DISTRICT MUN)(RCMP), BC	0.29	0.52	0.92	0.46

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
COLDSTREAM (DISTRICT MUN)(RCMP), BC	-0.41	-0.47	0.31	0.12
COLWOOD (RCMP), BC	0.03	-0.52	-0.05	0.08
COMOX (RCMP), BC	-0.29	-0.40	-0.55	0.29
COQUITLAM (RCMP), BC	-0.09	-0.91	1.20	0.58
COURTENAY (RCMP), BC	0.62	-0.84	1.41	2.94
CRANBROOK (RCMP), BC	0.50	-0.15	0.24	0.08
DAWSON CREEK (RCMP), BC	1.23	0.63	1.59	0.65
DELTA, BC	0.08	0.55	0.19	0.20
DITIDAHT PUBLIC SAFETY, BC	-0.58	-0.52	-1.08	0.42
ESQUIMALT (DISTRICT MUN), BC	0.38	0.45	0.59	1.79
FORT ST. JOHN (RCMP), BC	0.92	-0.24	1.06	1.46
HOPE (RCMP), BC	0.50	0.10	1.21	0.42
KAMLOOPS (RCMP), BC	0.43	-0.51	0.80	0.61
KELOWNA (RCMP), BC	0.39	-0.59	1.09	0.37
KIMBERLEY (RCMP), BC	0.06	0.51	0.10	1.31
KITASOO/XAIXAIS PUBLIC SAFETY, BC	-0.94	0.98	0.34	0.67
KITIMAT, (DIST MUN)(RCMP), BC	0.10	-0.19	-0.57	0.08
LADYSMITH (RCMP), BC	-0.11	0.11	-0.16	0.53
LAKE COUNTRY (RCMP), BC	-0.25	-0.31	-0.27	0.34
LANGFORD (DISTRICT MUN) (RCMP), BC	0.44	-0.68	0.81	0.51
LANGLEY (RCMP), BC	0.54	0.73	5.63	0.58
LANGLEY (TWP)(RCMP), BC	0.01	-0.45	0.61	0.25
MACKENZIE (RCMP), BC	0.28	0.05	-0.27	0.16
MAPLE RIDGE (RCMP), BC	0.06	-0.38	0.69	0.18
MERRITT (RCMP), BC	0.44	0.26	1.41	0.62
MISSION (DISTRICT MUN)(RCMP), BC	0.25	-0.34	1.75	0.58
N. VANCOUVER (DISTRICT MUN)(RCMP), BC	-0.06	-0.75	0.14	0.20
NANAIMO (RCMP), BC	0.55	-0.64	0.93	0.70
NELSON, BC	0.32	-0.12	-0.16	0.56
NEW WESTMINSTER, BC	0.42	-1.99	3.85	3.67
NORTH COWICHAN (RCMP), BC	-0.14	-0.27	0.12	0.11
NORTH SAANICH (DISTRICT MUN)(RCMP), BC	-0.23	-0.35	-0.78	0.12
NORTH VANCOUVER (RCMP), BC	0.40	-1.13	1.35	1.22
OAK BAY, (DISTRICT MUN), BC	-0.16	-0.63	-0.23	0.24
PARKSVILLE (RCMP), BC	0.39	-0.15	0.96	0.01
PENTICTON (RCMP), BC	0.29	-0.39	1.14	0.40
PITT MEADOWS (DISTRICT MUN)(RCMP), BC	-0.15	-0.53	0.35	0.08
PORT ALBERNI (RCMP), BC	0.44	0.30	1.07	0.21
PORT COQUITLAM (RCMP), BC	-0.14	-0.64	0.88	0.50
PORT HARDY (RCMP), BC	0.50	0.30	-0.20	0.17
PORT MOODY, BC	0.04	-0.55	0.39	0.12
POWELL RIVER (DISTRICT MUN)(RCMP), BC	0.27	-0.19	0.17	0.19
PRINCE GEORGE (RCMP), BC	0.42	-0.89	1.56	2.70
PRINCE RUPERT (RCMP), BC	0.75	0.33	0.18	0.31
QUALICUM BEACH (RCMP), BC	-0.20	-0.45	-0.18	0.21
QUESNEL (RCMP), BC	0.68	0.13	0.68	0.22
REVELSTOKE (RCMP), BC	-0.01	-0.24	-0.22	0.29
RICHMOND (RCMP), BC	0.03	-0.45	0.68	0.16
SAANICH, (DISTRICT MUN), BC	0.02	-0.76	0.07	0.39
SALMON ARM (RCMP), BC	0.17	-0.24	0.00	0.40
SECHELT (RCMP), BC	-0.08	0.60	1.40	0.62
SIDNEY (RCMP), BC	0.03	-0.38	-0.24	0.19
SMITHERS (RCMP), BC	0.72	0.58	0.83	0.79
SPALLUMCHEEN (RCMP), BC	-0.31	-0.34	-0.61	0.46
SQUAMISH (RCMP), BC	0.51	-0.19	0.67	0.32
STL'ATL'IMX TRIBAL POLICE, BC	-0.58	-0.36	-1.10	0.24
SUMMERLAND (RCMP), BC	-0.24	-0.37	-0.61	0.35
SURREY (RCMP), BC	0.04	-1.00	2.20	1.16
TERRACE (RCMP), BC	0.80	-0.19	0.40	0.85
TRAIL (RCMP), BC	0.15	0.96	0.06	0.09
TSEWULTUN POLICE, BC	-0.36	-0.75	-1.13	0.29
VANCOUVER, BC	0.31	-1.61	3.48	1.77

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
VERNON (RCMP), BC	0.33	0.27	1.20	0.62
VICTORIA, BC	0.92	-0.90	2.27	2.34
VIEW ROYAL(RCMP), BC	0.54	1.18	0.77	2.38
WEST VANCOUVER (DIST MUN), BC	0.38	-0.87	0.14	0.43
WHISTLER (RCMP), BC	2.34	0.84	1.42	-0.12
WHITE ROCK (RCMP), BC	0.32	-0.43	0.53	-0.04
WILLIAMS LAKE (RCMP), BC	1.69	0.91	1.47	0.61

Appendix 3. Factor Score Percentiles for Four Crime Components of 600 Cities

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
NEWFOUNDLAND				
CHURCHILL FALLS (RNC), NF	17	93	27	6
CORNER BROOK (RNC), NF	34	35	11	45
LABRADOR CITY, NF	40	56	28	33
ST. JOHN'S (RNC), NF	31	55	43	70
PRINCE EDWARD ISLAND				
BORDEN, PE	9	9	2	31
CHARLOTTETOWN, PE	58	47	46	76
KENSINGTON, PE	22	84	60	2
MONTAGUE (RCMP), PE	91	48	62	78
STRATFORD (RCMP), PE	28	19	5	24
SUMMERSIDE, PE	76	42	42	37
NOVA SCOTIA				
AMHERST, NS	57	85	86	52
ANNAPOLIS ROYAL, NS	66	91	47	7
ANTIGONISH (RCMP), NS	94	49	39	64
BERWICK, NS	81	66	19	44
BRIDGEWATER, NS	82	96	92	65
DIGBY, NS	92	84	20	96
GLACE BAY, NS	38	60	16	61
HALIFAX REGIONAL, NS	39	2	93	96
HANTSPORT, NS	10	66	56	7
KENTVILLE, NS	92	84	50	20
LUNENBURG-MAHONE BAY P.S., NS	67	54	21	42
MIDDLETON, NS	69	91	24	87
NEW GLASGOW, NS	71	79	63	36
NORTH SYDNEY, NS	35	79	72	13
OXFORD (RCMP), NS	44	63	36	73
PARRSBORO (RCMP), NS	57	86	32	9
PICTOU (RCMP), NS	54	74	19	11
PORT HAWKESBURY (RCMP), NS	57	74	22	33
SHELBURNE, NS	97	75	85	3
SPRINGHILL, NS	30	86	52	91
STELLARTON, NS	97	95	97	5
SYDNEY, NS	45	46	43	83
TRENTON, NS	7	87	9	6
TRURO, NS	81	67	55	73
UNAMA'KI TRIBAL POLICE, NS	0	99	1	0
WESTVILLE, NS	37	71	23	21
WINDSOR (RCMP), NS	93	77	74	29
WOLFVILLE, NS	74	55	54	76
YARMOUTH, NS	91	66	76	54

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
NEW BRUNSWICK				
B.N.P.P. REGIONAL, NB	20	68	23	25
BATHURST, NB	51	85	59	24
BUCTOUCHE (RCMP), NB	21	19	5	31
CAMPBELLTON (RCMP), NB	87	22	69	56
CAP PELE (RCMP), NB	9	21	2	31
CARAQUET, NB	60	72	6	9
CODIAC REGIONAL (RCMP), NB	72	32	75	67
EDMUNDSTON, NB	71	32	17	42
FREDERICTON, NB	42	49	67	62
GRAND FALLS, NB	50	51	62	53
HAMPTON (RCMP), NB	51	57	9	36
MCADAM, NB	21	79	13	26
MIRAMICHI POLICE FORCE, NB	67	53	26	78
NEGUAC (RCMP), NB	23	40	4	16
OROMOCTO (RCMP), NB	41	81	48	14
RICHIBUCTO (RCMP), NB	46	20	7	32
ROTHESAY REGIONAL, NB	26	16	4	44
SACKVILLE, NB	46	35	9	81
SAINT JOHN, NB	69	31	71	88
SAINT QUENTIN (RCMP), NB	41	76	76	28
ST. ANDREWS (RCMP), NB	19	21	6	35
ST. STEPHEN, NB	41	88	47	23
WOODSTOCK, NB	32	71	70	51
QUEBEC				
ALMA, QU	29	53	85	40
AMERINDIENNE D'ODANAK, QU	18	90	15	71
AMERINDIENNE DE LA ROMAINE, QU	99	94	0	84
AMERINDIENNE DE MANAWAN, QU	19	98	4	9
AMERINDIENNE DE MINGAN, QU	2	98	0	62
AMERINDIENNE DE WEMOTACI, QU	81	98	0	96
AMOS, QU	28	62	83	24
ASBESTOS, QU	37	11	33	23
AYLMER, QU	36	34	40	47
BAIE-COMEAU, QU	23	77	77	10
BEDFORD, QU	86	55	21	6
BELOEIL, QU	20	21	70	41
BLAINVILLE, QU	10	12	38	35
BOISBRIAND, QU	17	6	48	69
BOUCHERVILLE, QU	9	45	63	32

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
BROMONT, QU	6	68	90	6
BROSSARD, QU	17	3	74	80
CAP-DE-LA-MADELEINE, QU	22	20	43	43
CARIGNAN, QU	25	64	51	14
CHAMBLY, QU	13	54	61	15
CHANDLER, QU	16	90	53	62
CHARLESBOURG, QU	11	22	52	48
CHATEAUGUAY, QU	6	35	60	59
CHAUDIERE-ETCHEMIN, QU	10	25	36	31
CHICOUTIMI, QU	4	77	82	26
COATICOOK, QU	63	76	91	4
COWANSVILLE, QU	21	70	99	12
D'ESSIPIT, QU	95	96	78	0
DES SEIGNEURIES (REGIE), QU	13	38	17	30
DEUX-MONTAGNES REGION, QU	24	11	58	57
DOLBEAU-MISTASSINI, QU	13	44	28	18
DONNACONA, QU	30	41	12	22
DRUMMONDVILLE, QU	30	41	95	33
EAGLE VILLAGE, QU	84	91	1	60
EAST ANGUS, QU	21	58	52	11
ESTEREL, QU	99	0	98	14
FARNHAM, QU	49	14	51	58
FERMONT, QU	18	59	12	23
GATINEAU, QU	47	34	61	48
GESGAPEGIAC AMERINDIAN, QU	2	81	1	76
GRANBY CANTON, QU	33	36	47	10
GRANBY, QU	8	41	90	57
GRAND-MERE, QU	29	34	29	50
GREENFIELD PARK, QU	37	2	89	92
HAUT-RICHELIEU, QU	14	33	87	43
HAUTE-SAINT-CHARLES, QU	18	32	24	21
HUDSON, QU	19	25	5	44
HULL, QU	49	1	86	95
JONQUIERE, QU	12	42	42	54
KANESATAKE MOHAWK, QU	11	84	2	17
KATIVIK REGIONAL, QU	0	92	3	89
KITIGAN ZIBI ANISHINABEG, QU	35	81	17	3
L'ANCIENNE-LORETTE, QU	13	21	16	53

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
L'ASSOMPTION, QU	25	37	96	19
L'ILE-PERROT, QU	7	27	44	26
LA BAIE, QU	14	47	27	44
LA MALBAIE-POINTE-AU-PIC, QU	26	18	8	65
LA PLAINE, QU	24	11	61	55
LA POCATIERE, QU	37	34	30	62
LA PRAIRIE, QU	4	10	77	65
LA TUQUE, QU	17	83	75	7
LAC BROME, QU	4	46	62	16
LAC-MEGANTIC, QU	29	29	29	18
LAC-SIMON, QU	3	97	73	8
LACHENAIE, QU	22	21	38	34
LACHUTE, QU	3	65	93	24
LAVAL, QU	13	7	84	70
LE GARDEUR, QU	16	27	29	49
LEBEL-SUR-QUEVILLON, QU	16	65	25	15
LERY, QU	71	23	39	11
LEVIS, QU	24	37	33	38
LONG POINT, QU	67	97	1	99
LONGUEUIL, QU	21	15	88	83
LORRAINE, QU	12	23	28	17
MARIEVILLE, QU	16	33	50	60
MASCOUCHE, QU	5	8	76	33
MASHTEUIATSH, QU	70	87	32	22
MATANE, QU	32	80	51	20
MEMPHREMAGOG, QU	31	67	82	15
MERCIER, QU	12	19	23	29
METABETCHOUAN, QU	26	22	18	20
MIRABEL, QU	11	32	64	33
MONT-JOLI, QU	25	50	33	60
MONT-ST-HILAIRE, QU	8	30	67	30
MONTAGNAIS DE PAKUA SHIPI, QU	2	99	0	95
MONTAGNAIS DE SCHEFFERVILLE, QU	0	98	1	2
MONTAGNAISE DE NATASHQUAN, QU	17	80	1	93
MONTCALME (REGIE), QU	4	55	71	34
MONTMAGNY, QU	27	34	71	27
MONTREAL, QU	4	1	95	94
MORIN HEIGHTS, QU	68	0	89	46
MRC DES COLLINES DE L'OUTAOUAIS, QU	12	36	39	21
NASKAPI, QU	6	90	31	73
NICOLET, QU	66	93	99	1
NORMANDIN, QU	33	30	25	12
OBEDJIWAN, QU	1	97	5	86

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
OTTERBURN PARK, QU	9	15	16	29
PIKOGAN, QU	15	96	4	12
PINCOURT, QU	19	9	30	73
PLESSISVILLE, QU	58	17	59	36
PORT-CARTIER, QU	5	64	40	73
PRINCEVILLE, QU	55	17	22	51
QUEBEC CITY, QU	31	3	87	78
REGIE INTERMUN. DE JOLIETTE, QU	10	16	87	54
REGIE INTERMUN. DE ROUSSILLON, QU	6	29	42	44
REGION DES RIVERAINS, QU	23	36	64	66
REPENTIGNY, QU	18	9	69	51
RICHMOND, QU	0	97	99	0
RIMOUSKI, QU	27	58	56	36
RIVIERE-DU-LOUP, QU	66	61	60	52
RIVIERE-DU-NORD (REGIE), QU	14	54	56	22
ROBERVAL, QU	15	72	91	72
ROSEMERE, QU	23	4	88	69
ROUYN-NORANDA, QU	32	48	73	55
SAINT CESAIRE, QU	42	33	49	15
SAINTE-JULIE, QU	14	27	52	17
SEPT-ILES, QU	23	65	65	92
SHAWINIGAN REGIONAL, QU	15	65	70	55
SHAWINIGAN-SUD, QU	34	7	16	75
SHERBROOKOISE REGION, QU	10	28	72	56
SILLERY, QU	10	10	20	47
SOREL, QU	14	25	91	53
ST-ADOLPHE-D'HOWARD, QU	1	84	95	2
ST-BASILE-LE-GRAND, QU	3	64	45	12
ST-BRUNO-DE-MONTARVILLE, QU	33	6	75	71
ST-DONAT, QU	3	72	83	10
ST-EUSTACHE, QU	12	51	85	60
ST-FELICIEN, QU	47	25	31	18
ST-GEORGES, QU	34	39	46	38
ST-HUBERT, QU	7	23	75	59
ST-HYACINTHE, QU	27	48	98	42
ST-JEROME, QU	18	3	94	92
ST-JOVITE, QU	55	12	79	31
ST-LAMBERT, QU	8	17	58	49
ST-LUC, QU	8	24	22	40
ST-REMI, QU	16	61	73	9
ST-SAUVEUR-DES-MONTS, QU	25	6	96	89
STE-ADELE, QU	2	82	98	3
STE-AGATHE-DES-MONTS, QU	24	20	95	29

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
STE-FOY, QU	28	7	71	75
STE-MARIE, QU	36	18	10	32
STE-THERESE, QU	7	18	94	80
TEMISCAMING, QU	15	95	73	1
TERREBONNE, QU	7	14	78	71
THETFORD MINES, QU	16	66	79	25
TRACY, QU	12	6	82	56
TROIS-RIVIERES, QU	52	2	87	95
TROIS-RIVIERES-OUEST, QU	29	20	51	41
UASHAT-MALIOTENAM, QU	71	93	63	80
VAL-BELAIR, QU	18	24	11	25
VAL-D'OR, QU	23	37	88	68
VALCOURT, QU	40	36	20	28
VARENNES, QU	15	23	27	20
VAUDREUIL-DORION, QU	15	73	89	38
VICTORIAVILLE, QU	29	13	66	65
WENDAKE, QU	51	86	65	1
WINDSOR, QU	53	29	30	55
ONTARIO				
AKWESASNE MOHAWK POLICE SERVICE, ON	25	64	10	45
AMHERSTBURG, ON	54	15	13	53
APSLEY/N.KAWARTHM (OPP), ON	2	52	26	20
ARNPRIOR, ON	88	46	23	76
ASPHODEL-NORWOOD (OPP), ON	68	64	14	39
ATIKOKAN (TWP), ON	56	51	55	58
AUGUSTA (OPP), ON	6	21	3	30
AYLMER, ON	42	71	28	40
BARRIE, ON	80	14	72	91
BATH/BURG/SHERBROOKE (OPP), ON	11	50	30	22
BELLEVILLE, ON	56	63	76	79
BLIND RIVER (OPP), ON	30	93	86	94
BRANT COUNTY, ON	83	5	45	79
BRANTFORD, ON	45	32	74	76
BRIGHTON TOWN (OPP), ON	86	32	29	67
BROCKVILLE, ON	89	47	58	78
CALEDON (OPP), ON	73	10	21	51
CARLETON PLACE, ON	55	86	13	98
CAVAN/MILLB/N. MONAGHAN (OPP), ON	61	55	14	60
CHATHAM-KENT, ON	55	48	48	65
CLINTON (OPP), ON	57	44	63	72
COBOURG, ON	81	9	38	85
COCHRANE (OPP), ON	39	46	3	90

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
COLLINGWOOD, ON	92	60	55	82
CORNWALL, ON	32	51	69	70
DEEP RIVER, ON	53	5	12	70
DESERONTO, ON	97	85	46	72
DOURO-DUMMER (OPP), ON	13	31	15	67
DRUMMOND-N. ELMSLEY (OPP), ON	4	68	15	37
DRYDEN, ON	78	47	34	77
DURHAM REGIONAL, ON	26	12	54	75
DYMOND (OPP), ON	65	82	50	72
E. NIPISSING GROUP OF 3 (OPP), ON	3	80	9	37
EAST PERTH (OPP), ON	19	45	12	24
ELLIOT LAKE (TWP), ON	71	40	61	80
ESPANOLA, ON	66	50	39	63
ESSEX, ON	28	22	18	50
EXETER, ON	90	38	11	87
FORT FRANCES (OPP), ON	73	69	38	88
GANANOQUE, ON	60	67	57	28
GODERICH (OPP), ON	72	62	11	81
GUELPH, ON	40	15	56	78
HALDIMAND-NORFOLK (OPP), ON	73	53	39	67
HALTON REGIONAL, ON	40	15	31	49
HAMILTON-WENTWORTH REGIONAL, ON	28	10	82	85
HARVEY/GALA/CAVEN. (OPP), ON	19	67	30	52
HAVELOCK, ON	48	40	2	66
HAWKESBURY, ON	96	44	26	89
IGNACE (OPP), ON	62	70	22	57
INGERSOLL, ON	61	30	30	66
JAFFRAY MELICK (OPP), ON	46	52	6	84
KALADAR (OPP), ON	69	35	44	64
KAPUSKASING, ON	79	31	6	88
KEEWATIN (OPP), ON	63	18	40	50
KEMPTVILLE (OPP), ON	59	72	41	50
KENORA, ON	90	99	84	96
KINCARDINE, ON	94	38	4	71
KINGSTON, ON	54	13	68	75
KINGSVILLE, ON	43	64	8	75
KIRKLAND LAKE (OPP), ON	98	31	54	92
LAC SEUL, ON	70	99	68	98
LAKESHORE (OPP), ON	36	13	7	61
LANARK HIGHLANDS (OPP), ON	9	12	2	28
LASALLE POLICE SERVICE, ON	37	5	21	49
LEAMINGTON, ON	64	39	19	64

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
LINDSAY, ON	88	66	59	95
LONDON, ON	53	35	79	62
MARATHON (OPP), ON	75	11	7	93
MATTAWA GROUP OF 4 (OPP), ON	42	80	37	56
MEAFORD-THORNBURY, ON	43	46	17	32
MERRICKVILLE (OPP), ON	44	33	8	45
MICHIPICOTEN (TWP), ON	66	73	36	86
MIDLAND, ON	96	26	57	91
MISSISSIPPI MILLS (OPP), ON	20	56	22	45
MNJIKANING (OPP), ON	99	89	0	0
MONO (OPP), ON	34	17	18	52
MONTAGUE (OPP), ON	50	8	35	50
MOORE (OPP), ON	50	43	15	64
N. PARRY SOUND GROUP OF 2 (OPP), ON	30	19	7	41
NEW LISKEARD, ON	52	62	37	56
NEW TECUMSETH (OPP), ON	58	38	12	61
NIAGARA REGIONAL, ON	41	14	70	74
NISHNAWBE-ASKI POLICE SERVICE, ON	0	99	41	5
NORTH BAY, ON	64	26	66	78
NORTH GLENGARRY POLICE, ON	44	8	41	82
NORTH PERTH (OPP), ON	22	19	10	37
NORTH SHORE (OPP), ON	88	10	76	49
ORANGEVILLE, ON	74	28	36	72
ORILLIA (OPP), ON	84	65	57	92
OTONABEE/S. MONAGHAN (OPP), ON	17	52	26	38
OTTAWA-CARLETON REGIONAL, ON	27	7	78	83
OWEN SOUND, ON	75	33	53	85
OXFORD COMMUNITY, ON	39	49	44	51
PEEL REGIONAL, ON	35	19	48	54
PEMBROKE, ON	77	60	40	87
PENETANGUISHENE (OPP), ON	74	61	44	88
PERTH, ON	99	89	98	97
PETERBOROUGH LAKEFIELD, ON	59	37	33	60
PETROLIA, ON	44	39	14	69
POINT EDWARD (OPP), ON	60	69	36	98
PORT HOPE, ON	43	31	37	77
POWASSAN (OPP), ON	52	0	60	99
PRESCOTT, ON	41	49	13	63

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
PRINCE EDWARD COUNTY (OPP), ON	14	22	5	53
QUINTE WEST POLICE SERVICE, ON	50	47	29	63
RED LAKE (OPP), ON	98	89	66	98
RED ROCK (TWP), ON	44	13	9	25
RENFREW, ON	75	17	28	89
SARNIA, ON	52	42	35	77
SAUGEEN SHORES, ON	50	46	20	35
SAULT STE. MARIE, ON	79	48	51	84
SEAFORTH, ON	36	52	47	54
SHEDDEN (OPP), ON	54	88	69	16
SHELBURNE, ON	96	69	41	90
SHUNIAH (OPP), ON	11	77	37	30
SIOUX NARROWS (OPP), ON	38	94	8	87
SIX NATIONS POLICE, ON	1	90	95	1
SMITH/ENNISMORE (OPP), ON	31	41	11	52
SMITHS FALLS, ON	78	70	54	74
SMOOTH ROCK FALLS, ON	24	56	18	47
SOUTH BRUCE GREY, ON	62	49	15	71
SOUTH FRONTENAC (OPP), ON	27	54	49	46
SOUTH SIMCOE POLICE SERVICE, ON	32	29	23	39
ST. MARYS, ON	59	7	56	88
ST. THOMAS, ON	89	27	39	87
STIRLING-RAWDON, ON	20	40	26	26
STONE MILLS (OPP), ON	22	43	25	24
STRATFORD, ON	57	13	35	76
STRATHROY, ON	37	42	59	41
SUDBURY REGIONAL, ON	38	36	66	75
TECUMSEH (OPP), ON	33	31	15	42
TEMAGAMI (OPP), ON	81	83	81	10
TERRACE BAY (TWP), ON	78	4	24	74
THESSALON (OPP), ON	5	89	8	23
THUNDER BAY, ON	80	23	65	87
TILSONBURG, ON	33	44	65	61
TIMMINS, ON	56	29	58	70
TORONTO, ON	46	1	80	93
U.C.C.M. ANISHNAABE POLICE, ON	72	94	84	88
WATERLOO REGIONAL, ON	45	11	70	79
WELLINGTON COUNTY (OPP), ON	20	25	6	39
WEST NIPISSING, ON	67	78	57	18
WEST PERTH (OPP), ON	60	39	20	77
WESTPORT (OPP), ON	42	57	19	58

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
WIARTON, ON	54	63	3	90
WIKWEMIKONG, ON	35	95	75	97
WINDSOR, ON	13	16	81	69
WINGHAM, ON	58	76	3	19
YORK REGIONAL, ON	21	22	42	55
MANITOBA				
ALTONA, MB	69	39	19	27
BEAUSEJOUR (RCMP), MB	56	88	64	2
BOISSEVAN (RCMP), MB	78	45	26	8
BRANDON, MB	73	61	82	83
CARMAN (RCMP), MB	45	63	60	25
DAKOTA OJIBWAY POLICE SERVICE, MB	1	98	61	99
DAUPHIN (RCMP), MB	66	87	94	40
EAST ST. PAUL, MB	35	30	37	56
FLIN FLON (RCMP), MB	42	26	67	69
GILLAM (RCMP), MB	5	86	0	99
GIMLI (RCMP), MB	84	56	45	15
KILLARNEY (RCMP), MB	49	59	18	17
LEAF RAPIDS (RCMP), MB	73	88	46	4
MINNEDOSA (RCMP), MB	75	75	42	34
MORDEN, MB	43	73	49	8
NEEPAWA (RCMP), MB	47	75	55	9
PINAWA (RCMP), MB	43	50	18	13
PORTAGE LA PRAIRIE (RCMP), MB	60	83	97	94
RIVERS, MB	86	89	55	11
ROBLIN (RCMP), MB	50	79	19	7
RUSSELL (RCMP), MB	91	87	41	11
SELKIRK (RCMP), MB	46	92	79	21
SOURIS (RCMP), MB	34	53	24	34
STE. ANNE, MB	3	93	28	2
STEINBACH, MB	49	62	68	30
STONEWALL (RCMP), MB	36	45	11	39
SWAN RIVER (RCMP), MB	76	43	92	82
THE PAS (RCMP), MB	83	96	83	29
THOMPSON (RCMP), MB	77	95	71	41
VIRDEN (RCMP), MB	48	82	71	14
WINKLER, MB	72	12	32	64
WINNIPEG (GREATER), MB	8	2	96	94

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
SASKATCHEWAN				
ASSINIBOIA (RCMP), SK	65	58	16	33
BATTLEFORD (RCMP), SK	70	43	25	79
BIGGAR (RCMP), SK	51	78	52	59
CANORA (RCMP), SK	26	80	35	5
CARONPORT, SK	7	18	10	25
CHURCHBRIDGE, SK	28	47	13	14
CREIGHTON (RCMP), SK	53	74	13	16
CUDWORTH, SK	8	59	6	29
DALMENY, SK	75	58	10	13
ESTERHAZY (RCMP), SK	70	74	23	6
ESTEVAN, SK	57	12	32	58
FORT QU'APPELLE (RCMP), SK	46	97	97	0
HUDSON BAY (RCMP), SK	65	84	21	23
HUMBOLDT (RCMP), SK	45	8	57	81
INDIAN HEAD (RCMP), SK	2	95	62	1
KAMSACK (RCMP), SK	94	94	97	3
KINDERSLEY (RCMP), SK	84	68	48	9
LA RONGE (RCMP), SK	94	95	90	80
LANGHAM, SK	88	51	17	5
LANIGAN (RCMP), SK	38	80	9	5
LLOYDMINSTER (RCMP), SK	95	29	66	74
LUSELAND, SK	9	24	10	21
MACKLIN, SK	33	28	24	48
MAPLE CREEK (RCMP), SK	79	62	31	17
MEADOW LAKE (RCMP), SK	97	89	80	49
MELFORT (RCMP), SK	71	54	49	19
MELVILLE (RCMP), SK	49	69	34	64
MOOSE JAW, SK	81	68	68	57
MOOSOMIN (RCMP), SK	63	59	35	14
NIPAWIN (RCMP), SK	63	81	47	68
NORTH BATTLEFORD (RCMP), SK	96	92	92	90
OUTLOOK (RCMP), SK	40	77	38	4
PRINCE ALBERT, SK	76	41	87	93
REGINA, SK	76	9	96	96
ROSETOWN (RCMP), SK	68	59	43	6
SASKATOON, SK	65	7	92	91
SHAUNAVON (RCMP), SK	31	56	31	37
STOUGHTON, SK	24	60	57	8
SWIFT CURRENT (RCMP), SK	77	26	34	47
TISDALE (RCMP), SK	85	77	54	4

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
UNITY (RCMP), SK	48	71	33	4
WADENA (RCMP), SK	96	49	64	13
WARMAN (RCMP), SK	39	24	22	23
WATROUS (RCMP), SK	41	50	58	27
WATSON, SK	48	60	59	4
WEYBURN, SK	59	71	58	35
WILKIE (RCMP), SK	26	91	88	0
WYNYARD, SK	73	78	45	10
YELLOW GRASS, SK	6	26	7	20
YORKTON (RCMP), SK	82	70	67	51
ALBERTA				
AIRDRIE (RCMP), AB	45	30	35	63
ATHABASKA (RCMP), AB	93	59	72	31
BANFF (RCMP), AB	98	72	96	35
BARRHEAD, AB	68	71	53	10
BEAUMONT (RCMP), AB	30	60	8	48
BLOOD TRIBE POLICE, AB	90	96	34	97
BONNYVILLE (RCMP), AB	79	85	62	55
BROOKS (RCMP), AB	87	76	76	83
CALGARY, AB	38	6	80	86
CAMROSE, AB	93	55	50	57
CANMORE (RCMP), AB	78	51	46	47
CARDSTON (RCMP), AB	83	83	60	63
CLARESHOLM (RCMP), AB	56	79	69	17
COALDALE, AB	29	23	7	45
COCHRANE (RCMP), AB	51	14	75	16
COLD LAKE (RCMP), AB	65	76	34	42
CROWSNEST PASS (RCMP), AB	56	40	27	40
DEVON (RCMP), AB	36	57	36	59
DIDSBURY (RCMP), AB	59	62	20	19
DRAYTON VALLEY (RCMP), AB	87	83	73	3
DRUMHELLER (RCMP), AB	91	44	85	68
EDMONTON, AB	69	1	91	94
EDSON (RCMP), AB	80	70	77	8
FAIRVIEW (RCMP), AB	67	2	61	61
FORT MACLEOD (RCMP), AB	98	88	78	44
FORT MCMURRAY (RCMP), AB	89	78	64	67
FORT SASKATCHEWAN (RCMP), AB	54	41	25	28
FOX CREEK (RCMP), AB	11	93	49	91
GRANDE CACHE (RCMP), AB	25	82	12	30

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
GRANDE PRAIRIE (RCMP), AB	95	37	77	77
GRIMSHAW (RCMP), AB	74	67	47	39
HANNA (RCMP), AB	35	69	17	59
HIGH LEVEL (RCMP), AB	98	94	92	5
HIGH PRAIRIE (RCMP), AB	99	92	94	82
HIGH RIVER (RCMP), AB	52	66	32	42
HINTON, AB	79	82	81	7
HOBBEMA POLICE, AB	94	97	77	97
INNISFAIL (RCMP), AB	91	4	74	63
LAC LA BICHE (RCMP), AB	94	96	97	1
LACOMBE, AB	83	25	44	36
LEDUC (RCMP), AB	61	45	43	62
LETHBRIDGE, AB	90	28	83	90
LOUIS BULL, AB	0	99	90	99
MEDICINE HAT, AB	60	43	54	70
MORINVILLE (RCMP), AB	39	75	37	7
OKOTOKS (RCMP), AB	53	69	33	27
OLDS (RCMP), AB	68	72	40	27
PEACE RIVER (RCMP), AB	58	78	44	21
PINCHER CREEK (RCMP), AB	89	33	80	81
PONOKA (RCMP), AB	64	63	16	48
RAYMOND (RCMP), AB	22	76	5	34
RED DEER (RCMP), AB	90	28	79	82
REDWATER (RCMP), AB	61	56	53	91
RIMBEY, AB	70	78	27	54
ROCKY MOUNTAIN HOUSE (RCMP), AB	95	90	86	3
SHERWOOD PARK (RCMP), AB	47	17	21	43
SIKSIKA NATION POLICE, AB	1	98	63	95
SLAVE LAKE (RCMP), AB	76	87	63	37
SPRUCE GROVE (RCMP), AB	69	38	34	46
ST. ALBERT (RCMP), AB	58	20	31	59
ST. PAUL (RCMP), AB	96	83	80	92
STETTLER (RCMP), AB	85	45	45	28
STONY PLAIN (RCMP), AB	47	67	50	11
STRATHMORE (RCMP), AB	82	53	65	58
SWAN HILLS (RCMP), AB	82	85	56	18
SYLVAN LAKE (RCMP), AB	74	54	32	57
TABER, AB	92	75	80	43
THREE HILLS (RCMP), AB	64	20	14	19
VALLEYVIEW (RCMP), AB	97	94	98	50
VEGREVILLE (RCMP), AB	70	75	43	40

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
VERMILION (RCMP), AB	74	58	14	13
WAINWRIGHT (RCMP), AB	65	90	40	12
WESTLOCK (RCMP), AB	92	70	72	22
WETASKIWIN (RCMP), AB	86	91	87	86
WHITECOURT (RCMP), AB	80	73	41	36
BRITISH COLUMBIA				
ABBOTSFORD, BC	55	24	83	68
BURNABY (RCMP), BC	75	0	98	90
CAMPBELL RIVER (RCMP), BC	88	65	91	89
CASTLEGAR (RCMP), BC	84	74	78	19
CENTRAL SAANICH (DISTRICT), BC	62	43	38	32
CHILLIWACK (DISTRICT MUN)(RCMP), BC	77	16	85	81
COLDSTREAM (DISTRICT MUN)(RCMP), BC	20	24	42	69
COLWOOD (RCMP), BC	62	16	59	66
COMOX (RCMP), BC	34	34	29	38
COQUITLAM (RCMP), BC	52	3	90	84
COURTENAY (RCMP), BC	91	4	93	98
CRANBROOK (RCMP), BC	87	61	70	65
DAWSON CREEK (RCMP), BC	97	88	94	86
DELTA, BC	67	13	69	46
DITIDAHT PUBLIC SAFETY, BC	5	16	4	26
ESQUIMALT (DISTRICT MUN), BC	82	27	78	96
FORT ST. JOHN (RCMP), BC	95	52	88	94
HOPE (RCMP), BC	87	73	90	26
KAMLOOPS (RCMP), BC	85	18	84	84
KELOWNA (RCMP), BC	83	11	89	79
KIMBERLEY (RCMP), BC	64	85	66	2
KITASOO/XAIXAIS PUBLIC SAFETY, BC	1	92	72	12
KITIMAT, (DIST MUN)(RCMP), BC	68	57	27	66
LADYSMITH (RCMP), BC	51	73	53	18
LAKE COUNTRY (RCMP), BC	38	44	45	34
LANGFORD (DISTRICT MUN) (RCMP), BC	85	8	84	83
LANGLEY (RCMP), BC	89	6	99	15
LANGLEY (TWP)(RCMP), BC	61	28	79	41
MACKENZIE (RCMP), BC	77	68	46	48
MAPLE RIDGE (RCMP), BC	64	37	82	72
MERRITT (RCMP), BC	86	79	93	85
MISSION (DISTRICT MUN)(RCMP), BC	76	42	95	84
N. VANCOUVER (DISTRICT MUN)(RCMP), BC	55	5	67	73
NANAIMO (RCMP), BC	90	8	86	86

Name and Province	Comp 1 Minor	Comp 2 Violent	Comp 3 Major Property	Comp 4 Moral
NELSON, BC	79	63	53	16
NEW WESTMINSTER, BC	85	0	99	99
NORTH COWICHAN (RCMP), BC	48	50	67	68
NORTH SAANICH (DISTRICT MUN)(RCMP), BC	40	40	14	52
NORTH VANCOUVER (RCMP), BC	84	1	91	93
OAK BAY, (DISTRICT MUN), BC	47	10	49	43
PARKSVILLE (RCMP), BC	83	61	86	61
PENTICTON (RCMP), BC	78	35	89	80
PITT MEADOWS (DISTRICT MUN)(RCMP), BC	48	15	73	66
PORT ALBERNI (RCMP), BC	86	81	88	74
PORT COQUITLAM (RCMP), BC	49	9	85	82
PORT HARDY (RCMP), BC	87	81	51	47
PORT MOODY, BC	63	14	74	68
POWELL RIVER (DISTRICT MUN)(RCMP), BC	77	58	68	46
PRINCE GEORGE (RCMP), BC	85	3	94	98
PRINCE RUPERT (RCMP), BC	93	82	68	77
QUALICUM BEACH (RCMP), BC	44	27	52	74
QUESNEL (RCMP), BC	92	74	81	45
REVELSTOKE (RCMP), BC	59	53	50	38
RICHMOND (RCMP), BC	62	26	81	71
SAANICH, (DISTRICT MUN), BC	61	5	65	79
SALMON ARM (RCMP), BC	72	52	62	27
SECHELT (RCMP), BC	53	87	92	13
SIDNEY (RCMP), BC	62	36	48	46
SMITHERS (RCMP), BC	93	86	84	8
SPALLUMCHEEN (RCMP), BC	32	42	24	22
SQUAMISH (RCMP), BC	88	57	81	35
STL'ATL'IMX TRIBAL POLICE, BC	5	39	3	43
SUMMERLAND (RCMP), BC	39	38	25	32
SURREY (RCMP), BC	63	2	96	93
TERRACE (RCMP), BC	93	57	74	89
TRAIL (RCMP), BC	72	92	64	67
TSEWULTUN POLICE, BC	27	5	2	39
VANCOUVER, BC	31	0	99	95
VERNON (RCMP), BC	80	48	89	85
VICTORIA, BC	95	3	97	97
VIEW ROYAL(RCMP), BC	89	1	83	97
WEST VANCOUVER (DIST MUN), BC	82	4	55	81
WHISTLER (RCMP), BC	99	4	93	53
WHITE ROCK (RCMP), BC	80	30	77	58
WILLIAMS LAKE (RCMP), BC	98	91	93	85

Appendix 4. Reclassified Cities Based on the Regional Classification Scheme

Name and Province	From Size Class	Into Size Class
NEWFOUNDLAND		
CORNER BROOK (RNC), NF	Atlantic/Prairie	Ontario
ST. JOHN'S (RNC), NF	Atlantic/Prairie	Ontario
PRINCE EDWARD ISLAND		
BORDEN, PE	Atlantic/Prairie	Ontario
CHARLOTTETOWN, PE	Atlantic/Prairie	Ontario
KENSINGTON, PE	Atlantic/Prairie	Quebec
MONTAGUE (RCMP), PE	Atlantic/Prairie	Ontario
STRATFORD (RCMP), PE	Atlantic/Prairie	Ontario
NOVA SCOTIA		
AMHERST, NS	Atlantic/Prairie	Quebec
ANTIGONISH (RCMP), NS	Atlantic/Prairie	Ontario
BERWICK, NS	Atlantic/Prairie	Ontario
DIGBY, NS	Atlantic/Prairie	Ontario
GLACE BAY, NS	Atlantic/Prairie	Ontario
HALIFAX REGIONAL, NS	Atlantic/Prairie	British Columbia
HANTSPORT, NS	Atlantic/Prairie	Quebec
LUNENBURG MAHONE BAY P.S., NS	Atlantic/Prairie	Ontario
MIDDLETON, NS	Atlantic/Prairie	Ontario
NORTH SYDNEY, NS	Atlantic/Prairie	Quebec
OXFORD (RCMP), NS	Atlantic/Prairie	Ontario
SPRINGHILL, NS	Atlantic/Prairie	Ontario
STELLARTON, NS	Atlantic/Prairie	British Columbia
SYDNEY, NS	Atlantic/Prairie	Ontario
TRURO, NS	Atlantic/Prairie	Ontario
WOLFVILLE, NS	Atlantic/Prairie	Ontario
YARMOUTH, NS	Atlantic/Prairie	British Columbia
NEW BRUNSWICK		
B.N.P.P. REGIONAL, NB	Atlantic/Prairie	Quebec
BUCTOUCHE (RCMP), NB	Atlantic/Prairie	Ontario
CAMPBELLTON (RCMP), NB	Atlantic/Prairie	British Columbia
CAP PELE (RCMP), NB	Atlantic/Prairie	Ontario
CODIAC REGIONAL (RCMP), NB	Atlantic/Prairie	British Columbia
EDMUNDSTON, NB	Atlantic/Prairie	Ontario
FREDERICTON, NB	Atlantic/Prairie	Quebec
GRAND FALLS, NB	Atlantic/Prairie	Quebec
HAMPTON (RCMP), NB	Atlantic/Prairie	Ontario
MIRAMICHI POLICE FORCE, NB	Atlantic/Prairie	Ontario
NEGUAC (RCMP), NB	Atlantic/Prairie	Ontario
RICHIBUCTO (RCMP), NB	Atlantic/Prairie	Ontario
ROTHESAY REGIONAL, NB	Atlantic/Prairie	Ontario

Name and Province	From Size Class	Into Size Class
SACKVILLE, NB	Atlantic/Prairie	Ontario
SAINT JOHN, NB	Atlantic/Prairie	British Columbia
SAINT QUENTIN (RCMP), NB	Atlantic/Prairie	Quebec
ST. ANDREWS (RCMP), NB	Atlantic/Prairie	Ontario
WOODSTOCK, NB	Atlantic/Prairie	Quebec
QUEBEC		
AMERINDIENNE D'ODANAK, QU	Quebec	Atlantic/Prairie
AMERINDIENNE DE LA ROMAINE, QU	Quebec	Ontario
AMERINDIENNE DE MANAWAN, QU	Quebec	Atlantic/Prairie
AMERINDIENNE DE MINGAN, QU	Quebec	Atlantic/Prairie
AMERINDIENNE DE WEMOTACI, QU	Quebec	Ontario
BEDFORD, QU	Quebec	Atlantic/Prairie
BROSSARD, QU	Quebec	British Columbia
CHANDLER, QU	Quebec	Atlantic/Prairie
COWANSVILLE, QU	Quebec	British Columbia
D'ESSIPIT, QU	Quebec	Atlantic/Prairie
DONNACONA, QU	Quebec	Ontario
DRUMMONDVILLE, QU	Quebec	British Columbia
EAGLE VILLAGE, QU	Quebec	Ontario
ESTEREL, QU	Quebec	British Columbia
FARNHAM, QU	Quebec	Ontario
GESGAPEGIAC AMERINDIAN, QU	Quebec	Ontario
GRANBY, QU	Quebec	British Columbia
GRAND-MERE, QU	Quebec	Ontario
GREENFIELD PARK, QU	Quebec	British Columbia
HAUT-RICHELIEU, QU	Quebec	British Columbia
HUDSON, QU	Quebec	Ontario
HULL, QU	Quebec	British Columbia
KANESATAKE MOHAWK, QU	Quebec	Atlantic/Prairie
KATIVIK REGIONAL, QU	Quebec	Ontario
KITIGAN ZIBI ANISHINABEG, QU	Quebec	Atlantic/Prairie
L'ANCIENNE-LORETTE, QU	Quebec	Ontario
L'ASSOMPTION, QU	Quebec	British Columbia
LA MALBAIE-POINTE AU PIC, QU	Quebec	Ontario
LA POCATIERE, QU	Quebec	Ontario
LAC-SIMON, QU	Quebec	Atlantic/Prairie
LAVAL, QU	Quebec	British Columbia
LERY, QU	Quebec	Atlantic/Prairie
LONG POINT, QU	Quebec	Ontario
LONGUEUIL, QU	Quebec	British Columbia
MASHTEUIATSH, QU	Quebec	Atlantic/Prairie
MONT-JOLI, QU	Quebec	Ontario
MONTAGNAIS DE PAKUA SHIPI, QU	Quebec	Atlantic/Prairie
MONTAGNAIS DE SCHEFFERVILLE, QU	Quebec	Atlantic/Prairie
MONTAGNAISE DE NATASHQUAN, QU	Quebec	Ontario
MONTREAL, QU	Quebec	British Columbia
MORIN HEIGHTS, QU	Quebec	British Columbia
NASKAPI, QU	Quebec	Atlantic/Prairie

Name and Province	From Size Class	Into Size Class
NICOLET, QU	Quebec	British Columbia
OBEDJIWAN, QU	Quebec	Atlantic/Prairie
PIKOGAN, QU	Quebec	Atlantic/Prairie
PINCOURT, QU	Quebec	Ontario
PRINCEVILLE, QU	Quebec	Ontario
QUEBEC CITY, QU	Quebec	British Columbia
REGIE INTERMUN. DE JOLIETTE, QU	Quebec	British Columbia
RIVIERE-DU-LOUP, QU	Quebec	Atlantic/Prairie
ROBERVAL, QU	Quebec	British Columbia
ROSEMERE, QU	Quebec	British Columbia
SEPT-ILES, QU	Quebec	Ontario
SHAWINIGAN-SUD, QU	Quebec	Ontario
SILLERY, QU	Quebec	Ontario
SOREL, QU	Quebec	British Columbia
ST-BRUNO-DE-MONTARVILLE, QU	Quebec	British Columbia
ST-HYACINTHE, QU	Quebec	British Columbia
ST-JEROME, QU	Quebec	British Columbia
ST-JOVITE, QU	Quebec	British Columbia
ST-SAUVEUR-DES-MONTS, QU	Quebec	British Columbia
STE-ADELE, QU	Quebec	British Columbia
STE-AGATHE-DES-MONTS, QU	Quebec	British Columbia
STE-FOY, QU	Quebec	British Columbia
STE-MARIE, QU	Quebec	Ontario
STE-THERESE, QU	Quebec	British Columbia
TEMISCAMING, QU	Quebec	Atlantic/Prairie
TRACY, QU	Quebec	British Columbia
TROIS-RIVIERES, QU	Quebec	British Columbia
UASHAT-MALIOTENAM, QU	Quebec	Atlantic/Prairie
VAL-BELAIR, QU	Quebec	Ontario
VAL-D'OR, QU	Quebec	British Columbia
VALCOURT, QU	Quebec	Ontario
WENDAKE, QU	Quebec	Atlantic/Prairie
WINDSOR, QU	Quebec	Ontario
ONTARIO		
APSLEY/N.KAWARTHM (OPP), ON	Ontario	Quebec
AYLMER, ON	Ontario	Atlantic/Prairie
BARRIE, ON	Ontario	British Columbia
BATH/BURG/SHERBROOKE (OPP), ON	Ontario	Quebec
BELLEVILLE, ON	Ontario	British Columbia
BLIND RIVER (OPP), ON	Ontario	British Columbia
BRANTFORD, ON	Ontario	British Columbia
CORNWALL, ON	Ontario	Quebec
DRUMMOND-N. ELMSLEY (OPP), ON	Ontario	Quebec
DYMOND (OPP), ON	Ontario	Atlantic/Prairie
E. NIPISSING GROUP OF 3 (OPP), ON	Ontario	Atlantic/Prairie
EAST PERTH (OPP), ON	Ontario	Quebec
GANANOQUE, ON	Ontario	Atlantic/Prairie
HAMILTON-WENTWORTH REGIONAL, ON	Ontario	British Columbia

Name and Province	From Size Class	Into Size Class
HARVEY/GALA/CAVEN. (OPP), ON	Ontario	Quebec
KEMPTVILLE (OPP), ON	Ontario	Atlantic/Prairie
KENORA, ON	Ontario	Atlantic/Prairie
KINGSTON, ON	Ontario	British Columbia
LAC SEUL, ON	Ontario	Atlantic/Prairie
LONDON, ON	Ontario	British Columbia
MATTAWA GROUP OF 4 (OPP), ON	Ontario	Atlantic/Prairie
NIAGARA REGIONAL, ON	Ontario	British Columbia
NISHNAWBE ASKI POLICE SERVICE, ON	Ontario	Atlantic/Prairie
NORTH SHORE (OPP), ON	Ontario	British Columbia
OTONABEE/S. MONAGHAN (OPP), ON	Ontario	Quebec
OTTAWA CARLETON REGIONAL, ON	Ontario	British Columbia
OXFORD COMMUNITY, ON	Ontario	Quebec
PEEL REGIONAL, ON	Ontario	Quebec
PERTH, ON	Ontario	British Columbia
POWASSAN (OPP), ON	Ontario	British Columbia
SEAFORTH, ON	Ontario	Quebec
SHEDDEN (OPP), ON	Ontario	Atlantic/Prairie
SHUNIAH (OPP), ON	Ontario	Quebec
SIOUX NARROWS (OPP), ON	Ontario	Atlantic/Prairie
SIX NATIONS POLICE, ON	Ontario	Quebec
SOUTH FRONTENAC (OPP), ON	Ontario	Quebec
STIRLING RAWDON, ON	Ontario	Quebec
STONE MILLS (OPP), ON	Ontario	Quebec
STRATHROY, ON	Ontario	Quebec
SUDBURY REGIONAL, ON	Ontario	Quebec
TEMAGAMI (OPP), ON	Ontario	Atlantic/Prairie
THESSALON (OPP), ON	Ontario	Atlantic/Prairie
THUNDER BAY, ON	Ontario	British Columbia
TILLSONBURG, ON	Ontario	Quebec
TORONTO, ON	Ontario	British Columbia
U.C.C.M. ANISHNAABE POLICE, ON	Ontario	Atlantic/Prairie
WATERLOO REGIONAL, ON	Ontario	British Columbia
WEST NIPISSING, ON	Ontario	Atlantic/Prairie
WINDSOR, ON	Ontario	British Columbia
WINGHAM, ON	Ontario	Atlantic/Prairie
YORK REGIONAL, ON	Ontario	Quebec
MANITOBA		
ALTONA, MB	Atlantic/Prairie	Ontario
BRANDON, MB	Atlantic/Prairie	British Columbia
CARMAN (RCMP), MB	Atlantic/Prairie	Quebec
DAKOTA OJIBWAY POLICE SERVICE, MB	Atlantic/Prairie	Ontario
DAUPHIN (RCMP), MB	Atlantic/Prairie	British Columbia
EAST ST. PAUL, MB	Atlantic/Prairie	Ontario
FLIN FLON (RCMP), MB	Atlantic/Prairie	Quebec
GILLAM (RCMP), MB	Atlantic/Prairie	Ontario
MORDEN, MB	Atlantic/Prairie	Quebec
PORTAGE LA PRAIRIE (RCMP), MB	Atlantic/Prairie	British Columbia

Name and Province	From Size Class	Into Size Class
SOURIS (RCMP), MB	Atlantic/Prairie	Quebec
STEINBACH, MB	Atlantic/Prairie	Quebec
STONEWALL (RCMP), MB	Atlantic/Prairie	Ontario
SWAN RIVER (RCMP), MB	Atlantic/Prairie	British Columbia
VIRDEN (RCMP), MB	Atlantic/Prairie	Quebec
WINKLER, MB	Atlantic/Prairie	Ontario
WINNIPEG (GREATER), MB	Atlantic/Prairie	British Columbia
SASKATCHEWAN		
ASSINIBOIA (RCMP), SK	Atlantic/Prairie	Ontario
BATTLEFORD (RCMP), SK	Atlantic/Prairie	Ontario
CANORA (RCMP), SK	Atlantic/Prairie	Quebec
CARONPORT, SK	Atlantic/Prairie	Quebec
CHURCHBRIDGE, SK	Atlantic/Prairie	Quebec
CUDWORTH, SK	Atlantic/Prairie	Ontario
ESTEVAN, SK	Atlantic/Prairie	Ontario
FORT QU'APPELLE (RCMP), SK	Atlantic/Prairie	Quebec
HUMBOLDT (RCMP), SK	Atlantic/Prairie	Ontario
KAMSACK (RCMP), SK	Atlantic/Prairie	British Columbia
LLOYDMINSTER (RCMP), SK	Atlantic/Prairie	British Columbia
LUSELAND, SK	Atlantic/Prairie	Quebec
MACKLIN, SK	Atlantic/Prairie	Ontario
MELVILLE (RCMP), SK	Atlantic/Prairie	Ontario
NORTH BATTLEFORD (RCMP), SK	Atlantic/Prairie	British Columbia
PRINCE ALBERT, SK	Atlantic/Prairie	British Columbia
REGINA, SK	Atlantic/Prairie	British Columbia
SASKATOON, SK	Atlantic/Prairie	British Columbia
SHAUNAVON (RCMP), SK	Atlantic/Prairie	Quebec
STOUGHTON, SK	Atlantic/Prairie	Quebec
SWIFT CURRENT (RCMP), SK	Atlantic/Prairie	Ontario
WARMAN (RCMP), SK	Atlantic/Prairie	Ontario
WATROUS (RCMP), SK	Atlantic/Prairie	Quebec
WATSON, SK	Atlantic/Prairie	Quebec
WILKIE (RCMP), SK	Atlantic/Prairie	Quebec
YELLOW GRASS, SK	Atlantic/Prairie	Quebec
ALBERTA		
AIRDRIE (RCMP), AB	Atlantic/Prairie	Ontario
BANFF (RCMP), AB	Atlantic/Prairie	British Columbia
BEAUMONT (RCMP), AB	Atlantic/Prairie	Ontario
BLOOD TRIBE POLICE, AB	Atlantic/Prairie	Ontario
BROOKS (RCMP), AB	Atlantic/Prairie	British Columbia
CALGARY, AB	Atlantic/Prairie	British Columbia
CAMROSE, AB	Atlantic/Prairie	Ontario
CANMORE (RCMP), AB	Atlantic/Prairie	Ontario
COALDALE, AB	Atlantic/Prairie	Ontario
COCHRANE (RCMP), AB	Atlantic/Prairie	Quebec
CROWSNEST PASS (RCMP), AB	Atlantic/Prairie	Ontario
DEVON (RCMP), AB	Atlantic/Prairie	Ontario

Name and Province	From Size Class	Into Size Class
DRUMHELLER (RCMP), AB	Atlantic/Prairie	British Columbia
EDMONTON, AB	Atlantic/Prairie	British Columbia
FAIRVIEW (RCMP), AB	Atlantic/Prairie	Ontario
FORT SASKATCHEWAN (RCMP), AB	Atlantic/Prairie	Ontario
FOX CREEK (RCMP), AB	Atlantic/Prairie	Ontario
GRANDE PRAIRIE (RCMP), AB	Atlantic/Prairie	British Columbia
HANNA (RCMP), AB	Atlantic/Prairie	Ontario
HIGH PRAIRIE (RCMP), AB	Atlantic/Prairie	British Columbia
INNISFAIL (RCMP), AB	Atlantic/Prairie	British Columbia
LACOMBE, AB	Atlantic/Prairie	Ontario
LEDUC (RCMP), AB	Atlantic/Prairie	Ontario
LETHBRIDGE, AB	Atlantic/Prairie	British Columbia
MEDICINE HAT, AB	Atlantic/Prairie	Ontario
PINCHER CREEK (RCMP), AB	Atlantic/Prairie	British Columbia
PONOKA (RCMP), AB	Atlantic/Prairie	Ontario
RAYMOND (RCMP), AB	Atlantic/Prairie	Ontario
RED DEER (RCMP), AB	Atlantic/Prairie	British Columbia
REDWATER (RCMP), AB	Atlantic/Prairie	Ontario
SHERWOOD PARK (RCMP), AB	Atlantic/Prairie	Ontario
SPRUCE GROVE (RCMP), AB	Atlantic/Prairie	Ontario
ST. ALBERT (RCMP), AB	Atlantic/Prairie	Ontario
ST. PAUL (RCMP), AB	Atlantic/Prairie	British Columbia
STONY PLAIN (RCMP), AB	Atlantic/Prairie	Quebec
SYLVAN LAKE (RCMP), AB	Atlantic/Prairie	Ontario
TABER, AB	Atlantic/Prairie	British Columbia
THREE HILLS (RCMP), AB	Atlantic/Prairie	Ontario
VALLEYVIEW (RCMP), AB	Atlantic/Prairie	British Columbia
WETASKIWIN (RCMP), AB	Atlantic/Prairie	British Columbia
BRITISH COLUMBIA		
CASTLEGAR (RCMP), BC	British Columbia	Atlantic/Prairie
CENTRAL SAANICH (DISTRICT), BC	British Columbia	Atlantic/Prairie
COLDSTREAM (DISTRICT MUN) (RCMP), BC	British Columbia	Ontario
COLWOOD (RCMP), BC	British Columbia	Ontario
COMOX (RCMP), BC	British Columbia	Quebec
DELTA, BC	British Columbia	Quebec
DITIDAHT PUBLIC SAFETY, BC	British Columbia	Ontario
KIMBERLEY (RCMP), BC	British Columbia	Atlantic/Prairie
KITASOO/XAIXAIS PUBLIC SAFETY, BC	British Columbia	Quebec
KITIMAT, (DIST MUN) (RCMP), BC	British Columbia	Ontario
LADYSMITH (RCMP), BC	British Columbia	Atlantic/Prairie
LAKE COUNTRY (RCMP), BC	British Columbia	Quebec
MACKENZIE (RCMP), BC	British Columbia	Atlantic/Prairie
NELSON, BC	British Columbia	Atlantic/Prairie
NORTH COWICHAN (RCMP), BC	British Columbia	Quebec
NORTH SAANICH (DISTRICT MUN) (RCMP), BC	British Columbia	Ontario
OAK BAY, (DISTRICT MUN), BC	British Columbia	Quebec
PORT HARDY (RCMP), BC	British Columbia	Atlantic/Prairie
POWELL RIVER (DISTRICT MUN) (RCMP), BC	British Columbia	Atlantic/Prairie

Name and Province	From Size Class	Into Size Class
PRINCE RUPERT (RCMP), BC	British Columbia	Atlantic/Prairie
QUALICUM BEACH (RCMP), BC	British Columbia	Ontario
REVELSTOKE (RCMP), BC	British Columbia	Atlantic/Prairie
SALMON ARM (RCMP), BC	British Columbia	Atlantic/Prairie
SECHELT (RCMP), BC	British Columbia	Quebec
SIDNEY (RCMP), BC	British Columbia	Ontario
SMITHERS (RCMP), BC	British Columbia	Atlantic/Prairie
SPALLUMCHEEN (RCMP), BC	British Columbia	Quebec
STL'ATL'IMX TRIBAL POLICE, BC	British Columbia	Ontario
SUMMERLAND (RCMP), BC	British Columbia	Ontario
TRAIL (RCMP), BC	British Columbia	Atlantic/Prairie
TSEWULTUN POLICE, BC	British Columbia	Ontario
WEST VANCOUVER (DIST MUN), BC	British Columbia	Ontario

Appendix 5. Reclassified Cities Based on the City Size Classification Scheme

Name and Province	From Size Class	Into Size Class
NEWFOUNDLAND		
CORNER BROOK (RNC), NF	Small city	Town
LABRADOR CITY, NF	Small city	Town
ST. JOHN'S (RNC), NF	Large city	Small city
PRINCE EDWARD ISLAND		
MONTAGUE (RCMP), PE	Town	Small city
SUMMERSIDE, PE	Small city	Town
NOVA SCOTIA		
AMHERST, NS	Town	Small city
GLACE BAY, NS	Small city	Town
NORTH SYDNEY, NS	Small city	Town
OXFORD (RCMP), NS	Town	Small city
WOLFVILLE, NS	Town	Small city
YARMOUTH, NS	Town	Small city
NEW BRUNSWICK		
B.N.P.P. REGIONAL, NB	Small city	Town
BATHURST, NB	Small city	Town
CAMPBELLTON (RCMP), NB	Town	Small city
EDMUNDSTON, NB	Small city	Town
GRAND FALLS, NB	Town	Small city
MIRAMICHI POLICE FORCE, NB	Small city	Town
ROTHESAY REGIONAL, NB	Small city	Town
SACKVILLE, NB	Town	Small city
SAINT QUENTIN (RCMP), NB	Town	Small city
WOODSTOCK, NB	Town	Small city
QUEBEC		
ASBESTOS, QU	Town	Small city
BROMONT, QU	Town	Small city
BROSSARD, QU	Medium city	Large city
CHARLESBOURG, QU	Medium city	Small city
CHAUDIERE-ETCHEMIN, QU	Medium city	Small city
CHICOUTIMI, QU	Medium city	Small city
COATICOOK, QU	Town	Small city
COWANSVILLE, QU	Small city	Large city
DES SEIGNEURIES (REGIE), QU	Small city	Town
DOLBEAU-MISTASSINI, QU	Small city	Town
DRUMMONDVILLE, QU	Medium city	Large city
ESTEREL, QU	Town	Large city
FARNHAM, QU	Town	Small city
GATINEAU, QU	Large city	Small city
GRANBY, QU	Small city	Large city
GREENFIELD PARK, QU	Small city	Large city

Name and Province	From Size Class	Into Size Class
HAUT-RICHELIEU, QU	Medium city	Large city
HAUTE-SAINT-CHARLES, QU	Medium city	Town
HULL, QU	Medium city	Large city
JONQUIERE, QU	Medium city	Small city
L'ASSOMPTION, QU	Small city	Large city
LA BAIE, QU	Small city	Town
LA POCATIERE, QU	Town	Small city
LA PRAIRIE, QU	Small city	Medium city
LA TUQUE, QU	Small city	Town
LAC BROME, QU	Town	Small city
LAC-MEGANTIC, QU	Town	Small city
LACHUTE, QU	Small city	Large city
LEVIS, QU	Medium city	Small city
LONG POINT, QU	Town	Large city
LORRAINE, QU	Town	Small city
MARIEVILLE, QU	Town	Small city
MATANE, QU	Small city	Town
MERCIER, QU	Town	Small city
MONT-JOLI, QU	Town	Small city
MORIN HEIGHTS, QU	Town	Large city
NICOLET, QU	Town	Large city
OTTERBURN PARK, QU	Town	Small city
PLESSISVILLE, QU	Town	Small city
PORT-CARTIER, QU	Town	Small city
PRINCEVILLE, QU	Town	Small city
REGIE INTERMUN. DE JOLIETTE, QU	Medium city	Large city
REGIE INTERMUN. DE ROUSSILLON, QU	Medium city	Small city
REPENTIGNY, QU	Medium city	Small city
RICHMOND, QU	Town	Large city
ROBERVAL, QU	Small city	Large city
ROSEMERE, QU	Small city	Large city
SAINT CESAIRE, QU	Town	Small city
SEPT-ILES, QU	Small city	Medium city
SHERBROOKOISE REGION, QU	Large city	Small city
SOREL, QU	Small city	Large city
ST-ADOLPHE-D'HOWARD, QU	Town	Small city
ST-BASILE-LE-GRAND, QU	Small city	Town
ST-BRUNO-DE-MONTARVILLE, QU	Small city	Medium city
ST-DONAT, QU	Town	Small city
ST-EUSTACHE, QU	Small city	Medium city
ST-HYACINTHE, QU	Small city	Large city
ST-JEROME, QU	Medium city	Large city
ST-JOVITE, QU	Town	Small city
ST-REMI, QU	Town	Small city
ST-SAUVEUR-DES-MONTS, QU	Town	Large city
STE-ADELE, QU	Town	Large city
STE-AGATHE-DES-MONTS, QU	Town	Large city
STE-MARIE, QU	Small city	Town

Name and Province	From Size Class	Into Size Class
STE-THERESE, QU	Small city	Large city
TRACY, QU	Small city	Large city
TROIS-RIVIERES, QU	Small city	Large city
VAL-BELAIR, QU	Small city	Town
VAL-D'OR, QU	Small city	Large city
WINDSOR, QU	Town	Small city
ONTARIO		
ATIKOKAN (TWP), ON	Town	Small city
BELLEVILLE, ON	Small city	Medium city
BLIND RIVER (OPP), ON	Town	Medium city
BRANT COUNTY, ON	Town	Medium city
BRIGHTON TOWN (OPP), ON	Town	Small city
CARLETON PLACE, ON	Town	Medium city
CHATHAM-KENT, ON	Large city	Small city
CLINTON (OPP), ON	Town	Small city
COBOURG, ON	Small city	Medium city
COCHRANE (OPP), ON	Town	Small city
DEEP RIVER, ON	Town	Small city
DOURO-DUMMER (OPP), ON	Town	Small city
DRYDEN, ON	Town	Small city
DURHAM REGIONAL, ON	Large city	Small city
ESPANOLA, ON	Town	Small city
FORT FRANCES (OPP), ON	Town	Small city
GUELPH, ON	Large city	Small city
HALDIMAND-NORFOLK (OPP), ON	Large city	Small city
HALTON REGIONAL, ON	Large city	Small city
HAWKESBURY, ON	Small city	Town
KALADAR (OPP), ON	Town	Small city
KAPUSKASING, ON	Town	Small city
KEEWATIN (OPP), ON	Town	Small city
KENORA, ON	Small city	Town
KINGSTON, ON	Large city	Medium city
KINGSVILLE, ON	Small city	Town
KIRKLAND LAKE (OPP), ON	Town	Medium city
LEAMINGTON, ON	Small city	Town
LINDSAY, ON	Small city	Medium city
LONDON, ON	Large city	Medium city
MARATHON (OPP), ON	Town	Small city
MIDLAND, ON	Small city	Medium city
MISSISSIPPI MILLS (OPP), ON	Small city	Town
MONO (OPP), ON	Town	Small city
MONTAGUE (OPP), ON	Town	Small city
MOORE (OPP), ON	Small city	Town
NEW TECUMSETH (OPP), ON	Medium city	Town
NIAGARA REGIONAL, ON	Large city	Medium city
NISHNAWBE-ASKI POLICE SERVICE, ON	Small city	Town

Name and Province	From Size Class	Into Size Class
NORTH GLENGARRY POLICE, ON	Town	Small city
NORTH PERTH (OPP), ON	Small city	Town
NORTH SHORE (OPP), ON	Town	Medium city
ORILLIA (OPP), ON	Small city	Medium city
OWEN SOUND, ON	Small city	Medium city
OXFORD COMMUNITY, ON	Medium city	Small city
PEEL REGIONAL, ON	Large city	Small city
PENETANGUISHENE (OPP), ON	Town	Small city
PERTH, ON	Town	Large city
PETERBOROUGH LAKEFIELD, ON	Medium city	Small city
POINT EDWARD (OPP), ON	Town	Large city
POWASSAN (OPP), ON	Town	Large city
PRINCE EDWARD COUNTY (OPP), ON	Small city	Town
RED LAKE (OPP), ON	Town	Medium city
RENFREW, ON	Town	Small city
SARNIA, ON	Medium city	Small city
SAUGEEN SHORES, ON	Small city	Town
SAULT STE. MARIE, ON	Medium city	Small city
SEAFORTH, ON	Town	Small city
SIX NATIONS POLICE, ON	Small city	Town
SMITH/ENNISMORE (OPP), ON	Small city	Town
SOUTH BRUCE GREY, ON	Small city	Town
SOUTH SIMCOE POLICE SERVICE, ON	Medium city	Small city
ST. MARYS, ON	Town	Medium city
SUDBURY REGIONAL, ON	Large city	Small city
TECUMSEH (OPP), ON	Small city	Town
TERRACE BAY (TWP), ON	Town	Small city
THUNDER BAY, ON	Large city	Medium city
WATERLOO REGIONAL, ON	Large city	Medium city
WELLINGTON COUNTY (OPP), ON	Medium city	Town
WEST PERTH (OPP), ON	Town	Small city
WESTPORT (OPP), ON	Small city	Town
WINDSOR, ON	Large city	Medium city
YORK REGIONAL, ON	Large city	Small city
MANITOBA		
BRANDON, MB	Small city	Medium city
CARMAN (RCMP), MB	Town	Small city
DAUPHIN (RCMP), MB	Town	Small city
EAST ST. PAUL, MB	Town	Small city
FLIN FLON (RCMP), MB	Town	Small city
GILLAM (RCMP), MB	Town	Large city
PORTAGE LA PRAIRIE (RCMP), MB	Small city	Large city
SELKIRK (RCMP), MB	Small city	Town
STEINBACH, MB	Town	Small city
SWAN RIVER (RCMP), MB	Town	Large city
THOMPSON (RCMP), MB	Small city	Town
WINKLER, MB	Town	Small city

Name and Province	From Size Class	Into Size Class
SASKATCHEWAN		
BATTLEFORD (RCMP), SK	Town	Small city
HUMBOLDT (RCMP), SK	Town	Medium city
MACKLIN, SK	Town	Small city
NORTH BATTLEFORD (RCMP), SK	Small city	Medium city
PRINCE ALBERT, SK	Small city	Large city
WATROUS (RCMP), SK	Town	Small city
WEYBURN, SK	Small city	Town
YORKTON (RCMP), SK	Small city	Town
ALBERTA		
ATHABASKA (RCMP), AB	Town	Small city
BANFF (RCMP), AB	Town	Large city
CAMROSE, AB	Small city	Town
CANMORE (RCMP), AB	Small city	Town
COCHRANE (RCMP), AB	Town	Small city
DEVON (RCMP), AB	Town	Small city
DRUMHELLER (RCMP), AB	Town	Medium city
EDSON (RCMP), AB	Town	Small city
FAIRVIEW (RCMP), AB	Town	Medium city
FORT MCMURRAY (RCMP), AB	Small city	Town
FORT SASKATCHEWAN (RCMP), AB	Small city	Town
GRANDE PRAIRIE (RCMP), AB	Small city	Medium city
HINTON, AB	Small city	Town
INNISFAIL (RCMP), AB	Town	Medium city
LACOMBE, AB	Town	Small city
LETHBRIDGE, AB	Medium city	Large city
MEDICINE HAT, AB	Medium city	Small city
OKOTOKS (RCMP), AB	Small city	Town
PINCHER CREEK (RCMP), AB	Town	Medium city
REDWATER (RCMP), AB	Town	Medium city
ST. ALBERT (RCMP), AB	Medium city	Small city
ST. PAUL (RCMP), AB	Town	Medium city
STRATHMORE (RCMP), AB	Town	Small city
TABER, AB	Town	Small city
BRITISH COLUMBIA		
ABBOTSFORD, BC	Large city	Medium city
CAMPBELL RIVER (RCMP), BC	Small city	Large city
CASTLEGAR (RCMP), BC	Town	Small city
CENTRAL SAANICH (DISTRICT), BC	Small city	Town
CHILLIWACK (DISTRICT MUN) (RCMP), BC	Medium city	Large city
COLDSTREAM (DISTRICT MUN) (RCMP), BC	Town	Small city

Name and Province	From Size Class	Into Size Class
COURTENAY (RCMP), BC	Small city	Large city
DAWSON CREEK (RCMP), BC	Small city	Large city
DELTA, BC	Large city	Small city
ESQUIMALT (DISTRICT MUN), BC	Small city	Large city
FORT ST. JOHN (RCMP), BC	Small city	Large city
HOPE (RCMP), BC	Town	Small city
KAMLOOPS (RCMP), BC	Medium city	Large city
KELOWNA (RCMP), BC	Medium city	Large city
KITIMAT, (DIST MUN)(RCMP), BC	Small city	Town
LAKE COUNTRY (RCMP), BC	Town	Small city
LANGFORD (DISTRICT MUN) (RCMP), BC	Small city	Large city
LANGLEY (RCMP), BC	Small city	Large city
LANGLEY (TWP)(RCMP), BC	Medium city	Small city
MERRITT (RCMP), BC	Town	Large city
MISSION (DISTRICT MUN)(RCMP), BC	Small city	Large city
NANAIMO (RCMP), BC	Medium city	Large city
NEW WESTMINSTER, BC	Medium city	Large city
NORTH SAANICH (DISTRICT MUN)(RCMP), BC	Small city	Town
NORTH VANCOUVER (RCMP), BC	Small city	Large city
PARKSVILLE (RCMP), BC	Small city	Medium city
PENTICTON (RCMP), BC	Small city	Large city
PITT MEADOWS (DISTRICT MUN)(RCMP), BC	Small city	Medium city
PORT ALBERNI (RCMP), BC	Small city	Medium city
PORT COQUITLAM (RCMP), BC	Medium city	Large city
PORT MOODY, BC	Small city	Medium city
PRINCE GEORGE (RCMP), BC	Medium city	Large city
PRINCE RUPERT (RCMP), BC	Small city	Town
QUALICUM BEACH (RCMP), BC	Town	Small city
REVELSTOKE (RCMP), BC	Town	Small city
RICHMOND (RCMP), BC	Large city	Medium city
SAANICH, (DISTRICT MUN), BC	Large city	Medium city
SECHELT (RCMP), BC	Town	Small city
SUMMERLAND (RCMP), BC	Small city	Town
TERRACE (RCMP), BC	Small city	Medium city
TSEWULTUN POLICE, BC	Town	Small city
VERNON (RCMP), BC	Small city	Large city
VICTORIA, BC	Medium city	Large city
VIEW ROYAL(RCMP), BC	Town	Large city
WEST VANCOUVER (DIST MUN), BC	Small city	Medium city
WHISTLER (RCMP), BC	Town	Medium city
WHITE ROCK (RCMP), BC	Small city	Medium city
WILLIAMS LAKE (RCMP), BC	Small city	Medium city

Appendix 6. Mean Crime Rates by City Size (per 100,000 population)

Offence Category	Large City (>100K)	Medium City (50K-100K)	Small City (10K-50K)	Town (<10K)
Homicide	1.9	1.5	1.3	0.8
Sexual assault I	68	67	89	142
Major sexual assault	2	2	3	4
Other sexual offences	9	15	15	20
Non-sexual assault I	550	620	713	1,100
Major non-sexual assault	140	109	112	171
Other non-sexual assault	29	40	51	120
Robbery	113	75	46	20
Abduction & kidnapping	9	6	7	6
Break & enter	1,162	1,099	1,017	1,033
Theft motor vehicle	659	537	386	327
Theft over $5000	63	59	71	122
Theft $5000 & under	2,698	2,646	2,347	2,260
Possession of stolen goods	96	111	100	104
Fraud & counterfeiting	440	520	451	755
Arson	42	47	52	41
Vandalism	1,047	1,149	1,380	1,768
Moral offences	48	49	33	26
Offensive weapons	50	54	60	95
Miscellaneous Criminal Code	1,021	1,485	1,860	2,522
Narcotics possession	152	192	220	250
Narcotics trafficking	106	106	122	104
Controlled & restricted drugs	1	1	2	3
Misc. Federal Statutes	57	71	213	80
Criminal Code traffic	761	702	778	978
VIOLENT CRIMES	922	936	1,037	1,585
PROPERTY CRIMES	5,118	4,972	4,372	4,602